

CATALOGUE  
OF  
CONCHIFERA.

PART II.

1854. 6d.

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H4



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BY

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OF

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Moll.  
CATALOGUE

OF THE

CONCHIFERA

OR

BIVALVE SHELLS

IN

THE COLLECTION

OF THE

BRITISH MUSEUM.

BY

MONSIEUR DESHAYES.

PART II.

PETRICOLADÆ (*concluded*);

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Genus 3. LAJONKAIRIA, *Desh.*

Animal ovato-oblongum, compressiusculum; pallium integrum anticè apertum, infernè posticèque clausum; tracheis binis coadunatis lateraliter compressiusculis, subæqualibus, trachea branchiali majore, ad aperturam ciliata. Pes minimus, compressus, linguiformis; labiarum appendices elongatæ, angustæ, acutæ, triangulares. Branchiæ carnosæ breves, subæquales, quadrangulares, posticè latiores, truncatæ.

Testa ovato-oblonga vel subquadrangularis, decussata, tenuis; cardine angusto, in valva dextra bidentato, in sinistra tridentato, dentibus minimis, divaricatis; nymphis brevibus; ligamentum externum angustum, breve; cicatriculæ musculorum minimæ subrotundatæ; impressio pallii brevis, sinu postico latissimo, profundissimo, triangulari terminata.

Tellina (sp.), *Schröt.* (1786) *Einkl.* iii. 18. no. 11.

*Gmel.* (1788) p. 3231. no. 11.

Venus, *Mont.* (1808) *Test. Brit. Suppl.* p. 48.

Venerupis, *Payraud.* (1826) *Cat. Moll. de Corse*, p. 36.

*Desh.* (1836) *Lamk.* ed. 2. vi. 164.

Rupellaria, *Petit* (1851), *Journ. de Conch.* p. 289.

Tapes (sp.), *Sow. jun.* (1852) *Thes. Conch.* p. 695.

1. LAJONKAIRIA DECUSSATA, *Desh.*

L. testa rotundato-quadrangula, anticè brevissima, striis longitudinalibus creberrimis sub lente granulosis exarata; striisque incrementi irregularibus decussata.

*Encycl. Méth.* pl. 272. f. 2. a, b.

Venus candida, *Scacchi* (non *Gmel.*), *Cat. Conch. Neap.* p. 7.

Venerupis decussata, *Phil. Moll. Sicil.* p. 20. pl. 3. f. 5; ii. 20. no. 2.

Venerupis Lajonkairii, *Payr.* *Cat. Moll. de Corse*, p. 36. pl. 1. f. 12, 13.

*Desh.* *Lamk. An. s. Vert.* ed. 2. vi. 164.

Rupellaria Lajonkairii, *Petit*, *Journ. de Conch.* 1851, p. 289.

Tapes Lajonkairii, *Sow. jun. Thes. Conch.* p. 695. pl. 150. f. 120.

*Junior.* Tapes subquadrata, *Sow. jun. loc. cit.* p. 695. pl. 150. f. 119.

*Hab.* Mare Mediterraneum.

## 2. LAJONKAIRIA SUBSTRIATA.

L. testa subquadrata, parva, sinuata, alba, striis tenuissimis concentricis et costellis minutis æqualibus decussata; latere antico brevissimo, umbonibus subterminalibus; margine dorsali recto, ascendente; latere postico truncato.



*Venus substriata*, *Mont. Test. Brit. Suppl.* p. 48. pl. 29. f. 6.  
*Tapes substriata*, *Sow. jun. Thes. Conch.* p. 695. pl. 150. f. 116, 117.  
*Hab.* Mare Britannicum.

### 3. LAJONKAIRIA GIBBOSA.

*L.* testa subtrigona, ventricosa, subtiliter transversim striata ;  
 cardinis dente laterali valido.

Testa ex viridi albicante utrinque inflexa, altero latere breviori,  
 cardinis dente primario unico (*Gmel.*).

*Tellina*, *Gualt. Ind. Test.* pl. 77. f. Q.

*Tellina gibbosa*, *Gmel.* p. 3231. no. 11.

*Dillw. Cat.* i. 76. no. 11.

*Wood. Gen. Conch.* p. 151. no. 13 ; *Ind. Test.* pl. 3. f. 13.

*Tellina*, no. 62, *Schröt. Einl.* iii. 18.

*Hab.* — ?

An varietas monstrosa *Veneris substriatæ Montagu*?

N.B. *CHORISTODON*, *Jonas*, 1844, *Zeitsch. f. Malac.* 185 ; *Moll. Beitr.* 1846, i. 102. t. 7 = *NARANIO*, p. 215.

*Choristodon typicum*, *Jonas*, *Moll. Beitr. in Abhandl. Naturwis. Hamburg.* 1846, i. 102. t. 7. f. 3, is a synonym of *Venus lapicida* = *Naranio lapicida*, p. 216.—GRAY.

## Fam. 5. Corbiculadæ.

Animal regulare, pallio tenui anticè infernèque aperto vestitum, posticè tracheis binis plus minusve separatim terminatum, aliquantisper trachea unica. Pes triangularis, compressus, linguiformis, vel elongato-cylindraceus ; appendices labiarum parvæ, triangulares, lamellosæ, acuminatæ. Branchiæ latæ, trapezoidales, inæquales, posticè connatæ.

Testa ovato-transversa vel subtrigona, epidermide viridi vestita, lævigata aut transversim striata sulcatave ; cardine utroque latere bi- vel tridentato, dentes laterales duo, simplices vel transversim striati ; impressio pallii simplex vel posticè breviter sinuosa vel sinu angustissimo sublineari terminata.

Les Conques (ex parte), *Lamk.* (1809) *Phil. Zool.* i. 318 ; (1812) *Extr. du Cours*, p. 107.

Les Conques fluviatiles, *Lamk.* (1818) *An. s. Vert.* v. 556 ; ed. 2. (1836) vi. 263.

Cycladées, *Rafinesque* (1815), *Ann. Nat. Brux.* vi.

Les Cyclades, *Féruss.* (1822) *Tab. Syst.* p. 43.

- Cycladea, *Desh.* (1830) *Enc. Méth.* ii.; *Tab. de Class. des Moll.*  
*Menke* (1830), *Syn. Meth. Moll.* p. 110.  
 Cycladia, *Rafin.* (1820) *Coq. Biv. de l'Ohio.*  
 Cycladæ, *Flem.* (1828) *Brit. Anim.* p. 409.  
*Gray* (1840), *Turt. Man.* ed. 2. p. 277.  
 Cycladina, *Latr.* (1825) *Fam. Nat.* p. 218.  
*Macgill.* (1844) *Moll. Aberd.* p. 208.  
 Cyclasidæ, *D'Orb.* (1846) *Voy. en Amér. Moll.* p. 566.  
 Cycladacea, *Hinds* (1844), *Zool. Sulph.* p. 66.  
 Veneriadæ (ex parte), *Leach* (1818), *Ann. & Mag. Nat. Hist.* xx.  
 272; (1852), ed. *Gray*, *Syn. Moll. Brit.* p. 286.  
 Cyrenidæ, *Gray* (1840), *Syn. Brit. Mus.* p. 75, 91.  
 Corbiculadæ, *Gray* (1847), *Proc. Zool. Soc.* p. 184; (1851) *List*  
*of Brit. Anim.* p. 16; *Ann. & Mag. Nat. Hist.* ser. 2. xi. 38.

“*Corbiculadæ.* Cardinal teeth 3·3 or 2·2, diverging; lateral teeth compressed. Siphonal inflection none. Periostraca olive, hard, brittle, often polished. Siphons contractile.

A. Cardinal teeth 3·3, front of right and hinder of left valve smallest. Shell solid.

1. CORBICULA, *Megerle*, *Gray*, *P. Z. S.* 1847, n. 552. Shell subcordate; lateral teeth compressed, subequal, finely striated. *C. fluminea.*
2. BATISSA. Shell subcordate; lateral teeth compressed, striated, front very short, hinder elongate. *B. tenebrosa.* *B. obesa*, *Hinds.*
3. VELORITA, *Gray*, *Syn. B. M.* 1842, p. 75; *P. Z. S.* 1847, n. 554. Shell cordate, triangular, thick; teeth large, lateral, very finely striated, anterior very large, angular, hinder elongate, compressed. *V. Cyprinoides.*
4. CYRENA, *Lamk.* *Gray*, *P. Z. S.* 1847, n. 553. Shell subcordate; lateral teeth smooth, front roundish, hinder rather compressed. *C. Zeylanica.*

B. Cardinal teeth 2·2, moderately diverging, front of right valve and hinder of left valve smaller; lateral teeth elongate, compressed, smooth; of right valve double, of left valve simple. Shell thin.

5. SPHÆRIUM, *Scopoli*, *Gray*, *P. Z. S.* 1847, n. 555. Shell oblong, cordate, equilateral; siphon of animal separate, diverging at the tip. *S. corneum.*

6. PISUM, *Megerle, Gray, P. Z. S.* 1847, n. 556. Shell ovate-wedged-shaped, inequilateral, truncated behind; siphons of animal short, united to the end. *P. amnicum*."—*Gray, Ann. & Mag. N. H.* ser. 2. xi. 38.

- A. *Dentes cardinales* 3·3, anterior in valva dextra et posterior in valva sinistra minores. Testa solida. *Corbiculina, Gray.*

### Genus 1. CORBICULA.

Animal ignotum.

Testa ovato-trigona, subæquilateralis, cordiformis, in utraque valva cardo tridentato, dentibus divergentibus, dentes laterales duo æquales, compressi, tenui, transversim striati. Nymphæ breves basi rugosæ; impressiones musculares minores rotundatæ vel semilunares; impressio pallii simplex.

*Tellina, Müll. Verm. Hist.* ii. 205.

*Venus, Chemn. (1782) Conch.* vi. 319.

*Cyclas (spec.), Brug. (1792) Encycl. Méth.* pl. 301, 302.

*Lamk. (1799) Essai d'une Class., Mém. de la Soc. d'Hist. Nat. de Paris,* i.

*Cyrena (ex parte), Lamk. (1818) An. s. Vert.* v. 551.

*Corbicula, Megerle (1811), Entwurf.* p. 56.

*Gray (1847), Proc. Zool. Soc.* p. 184; (1853) *Ann. & Mag. Nat. Hist.* xi. 38.

*Cyanocyclas, Blainv. (1818), Dict. Sc. Nat.* xii. 280.

"Mantle (of *Corbicula consobrina*), lobes free on the lower edge and in front, united behind; edge simple, with a series of short conical beards just within the margin; siphons two, very short, separate, contractile; apertures fringed with short crowded conical beards; foot compressed, subquadrate, rather produced in front; body swollen; abductor muscles large, anterior oblong, the hinder round, subtrigonal.

"Labial tentacles 2 pair, large, broad, trigonal, equal; gills oblong, inner pair large, the outer about half the depth of the inner."—*Gray, MSS.*

#### a. *Species Europæ.*

##### 1. CORBICULA PANORMITANA.

C. testa trigona, subæquilateralis, anticè rotundata, posticè angulata, transversè striata, disco depresso; apicibus acutis, incur-



vis ; dentibus cardinalibus duobus utraque valva ; lateralibus lamelliformibus, perpendiculariter striatis, quatuor valva dextra, duobus sinistra.

*Cyrena Panormitana*, *Bivona*, *Nuovi Mollus. Terrest. di Palermo*, p. 21.

*Hab.* In rivulis Siciliæ.

#### b. *Species Africanæ.*

#### 2. CORBICULA CONSOBRINA.

C. testa ovato-trigona, transversa, inæquilaterali, tumida, subcordata, fusco-virente, transversim tenuè sulcata ; latere antico longiore, lato, obtuso, postico valde declivi, brevi, subtruncato ; umbonibus tumidis, obtusis, oppositis, apice denudato violaceis, valvis intus albo-pallide violaceis, ad margines saturatioribus ; cardine angusto in utraque valva tridentato, dente postico valvæ sinistræ obsoleto ; dentibus lateralibus angustis inæqualibus, antico longiore, cardinem attingente.

*Cyclas consobrina*, *Caillaud*, *Voy. à Meroë*, ii. pl. 61. f. 10, 11.

An eadem var. ? *Savigny*, *Exp. d'Eg. Moll.* pl. 7. f. 7.

*Hab.* Flumen Nilum.

#### 3. CORBICULA COR.

B.M.

C. testa elongato-trigona, cordata, subæquilaterali, tumida, viridifuscescente, transversim tenuè et subtiliter sulcata ; umbonibus prominentibus, involutis, vix obliquis, sæpius integris ; lateribus obtusis, posticali paulo brevioribus, subtruncato ; valvis intus violaceis zonulis saturatioribus ornatis ; cardine angusto, tridentato ; dentibus subæqualibus, posticali valvula dextra apice emarginato ; valvulæ sinistræ mediano bifido ; dentibus lateralibus angustis, tenuè striatis.

*Cyrena cor*, *Lamk. An. s. Vert.* v. 552. no. 3.

*Deless. Rec. de Coq.* pl. 7. f. 7.

*Hab.* — ? ex oriente (*Olivier*). In Nilo superiore, Coll. Cum.

#### 4. CORBICULA PUSILLA.

B.M.

C. testa parva, tenui, turgidula, ovato-orbiculari, vix trigona, inæquilaterali, alba ; striis transversis, confertis ; epidermide pallide flava ; dentibus lateralibus elongatis, striatis, cardinalibus tribus, inæqualibus, duobus majoribus in utraque valva bifidis.

*Cyrena pusilla*, *Phil. Abbild. Conch.* p. 78. pl. 1. f. 7.

*Cyrena africana*, var.  $\beta$ , *Krauss, Sudafr. Moll.* p. 9.

*Hab.* Partem superiorem fluminis Nili.

## 5. CORBICULA RADIATA.

B.M.

C. testa parva, tenui, orbiculato-trigona, æquilaterali, livida, ad apices alba, violaceo radiata; striis transversis, remotiusculis, epidermide nitidissimo; pagina interna violacea; dentibus lateralibus elongatis, striatis; dentibus cardinalibus angustis, duobus majoribus apice vix bifidis.

*Cyrena radiata*, *Phil.* (1846) *Abbild. Conch.* p. 4. no. 8. pl. 1. f. 8. (non *Hanley*, 1844).

*Cyrena africana*, var.  $\alpha$ , *Krauss, Sudafr. Moll.* p. 8.

*Hab.* In Nilo Albo.

## 6. CORBICULA AFRICANA.

B.M.

C. testa parva, orbiculato-trigona, compressiuscula, subæquilaterali, anticè latiore, obtusiore, transversim densè et irregulariter striata, olivaceo-glauescente nitida, intus violacea; umbonibus minimis, gibbosulis, erosio, cardine angusto, tridentato, dentibus minimis, duobus approximatis, æqualibus, apice canaliculatis; dentibus lateralibus angustis, elongatis, tenuissime striatis; impressionibus muscularibus minimis, rotundatis.

*Cyrena africana*, *Krauss, Sudafr. Moll.* p. 8. pl. 1. f. 8, varietatibus exclusis.

*Hab.* Caput Bonæ Spei.

*c. Species Asiaticæ.*

## 7. CORBICULA FLUMINALIS.

C. testa triangulari, transversim striata, crassa, dura, valdè gibba, opaca, anticè versus cardinem latiore, quam posticè; extus viridi, crebro striatim imbricata; striæ transversæ; valvis intus cyaneis; cardine in utraque valva tridentato, dentibus divaricatis, subæqualibus, postico emarginato; dentes laterales elongati utroque latere tenue striati; striis tenuibus, perpendiculariter parallelis.

*Tellina fluminalis*, *Müll. Verm. Hist.* ii. 205.

*Venus fluminalis*, *Chemn. Conch.* vi. 319. pl. 30. f. 320.

*Wood, Ind. Test.* pl. 8. f. 113.

*Tellina fluminalis*, *Schröt. Flussconch.* p. 195. no. 20.

*Gmel.* p. 3242. no. 79.

*Cyclas fluminalis*, *Blainv. D. S. N.* xii. 280.

Venus, *Schröt. Einl.* iii. 158. no. 11.

Cyclas, *Enc. Méth.* p. 301. f. 2.

Cyclas Euphratica, *Lamk. Syst. An. s. Vert.* p. 124.

Cyrena fuscata, var. ?, *Lamk. An. s. Vert.* v. 552. no. 4.

*Hab.* Ex oriente, *Lamk.* In Euphratico flumine.

## 8. CORBICULA AMBIGUA.

B.M.

C. testa ovato-trigona, æquilaterali, subcordiformi, transversim densè striato-sulcata; striis regularibus, anticè posticèque evanescentibus; epidermide nitente, nigro-virescenti vestita, in latere postico tenuissime striato-lamellosa, intus violacea; umbonibus angustis, prominentibus, anticè obliquatis; latere antico atque postico æqualiter convexiusculis, declivibus, obtusis; cardine angusto, dentibus tribus primariis inæqualibus brevibus simplicibus, antico valvæ dextræ dente laterali adnato; dentibus lateralibus æqualibus, longis extremitate inferiore leviter arcuatis, crenulato-striatis.

*Corbicula ambigua*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* Flumen Euphrates.

### d. *Species Indicæ.*

## 9. CORBICULA OCCIDENS.

B.M.

C. testa ovato-transversa, æquilaterali, tumida, tenui, transversim regulariter lirato-sulcata; epidermide flavescence-viridi vestita, ad umbones atro-violascente vel breviter albo radiata; umbonibus tumidis, brevibus, lævigatis; lunula ovato-lanceolata, pallida, lævigata; valvis intus profunde fusco-violascentibus; cardine angusto, inæqualiter tridentato; dentibus lateralibus brevibus angustis albis tenue striatis.

*Corbicula occidens*, *Bens. Asiat. Journ.* 1824?

*Hab.* India; loco Sikkim dicto, Moredabad, Bengal. Coll. Cuming.

## 10. CORBICULA BENSONI.

B.M.

C. testa ovato-transversa, subtrigona, æquilaterali, lævigata, nitida, depressiuscula, extremitatibus obtusa, utroque latere æqualiter declivi; epidermide tenui, nitente, virescente vel flavesciente induta, aliquantisper lineis interruptis fuscis radiata, alba vel pallide violascente; cardine angusto, tridentato, dentibus inæqualibus valdè divaricatis, dentibus lateralibus prælongis, angustissimis, tenuissime striato-crenatis, antico paulo longiore.

*Corbicula Bensoni*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* In rivulis Bengalensibus (*Benson*). Coll. Cuming.

## 11. CORBICULA BENGALENSIS.

B.M.

C. testa ovato-subtrigona, depressiuscula, tenui, subæquilaterali, obsoletè transversim striata, striis regularibus distantibus; epidermide flavescente nitidissima, intus alba, in medio macula rubescente notata; umbonibus minimis acutis; cardine angusto tridentato, altero bidentato; dentibus lateralibus angustissimis, argute striatis.

*Corbicula Bengalensis*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* In rivulis Bengalensibus. Coll. Cuming.

## 12. CORBICULA STRIATELLA.

B.M.

C. testa ovato-transversa, depressiuscula, subæquilaterali, extremitatibus æqualiter obtusa, transversim regulariter lirata, liris ad latus posticum evanescentibus; epidermide pallide viridescente, nitente vestita; intus atro-violacea; umbonibus brevibus, atro-violascentibus, pallidiore biradiatis; cardine angusto, tridentato; dentibus inæqualibus, divaricatis, postico longiore et angustiore, dentibus lateralibus elongatis, angustis, subæqualibus, arcuatis, tenuissime striatis.

*Corbicula striatella*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* Pondicherry. Coll. Cuming.

## 13. CORBICULA TRIGONA.

C. testa trigona, æquilaterali, compressiuscula, anticè paulo latiore et obtusiore, utroque latere æqualiter declivi, transversim tenue et regulariter striata; epidermide viridi, nitente induta, intus pallide violacea; umbonibus minimis, brevibus, acutis; lunula ovata, angulo obsoleto circumscripta, pallida, lævigata; cardine angusto, altero bidentato altero tridentato; dentibus lateralibus æqualibus, tenuissime striatis, antico leviter arcuato.

*Corbicula trigona*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* Pondicherry. Coll. Cuming.

## 14. CORBICULA CASHMIRIENSIS.

C. testa ovato-transversa, subtrigona, æquilaterali, tumidula, transversim tenue et regulariter striata, striis posticè evanescentibus; epidermide nitrata, atro-virescente, in latere postico tenuissime striato vestita; umbonibus tumidis, prominentibus, profunde crosis, violaceis; cardine angusto, in valva dextra bidentato, in altera tridentato, valvulæ dextræ dente antico laterali adnato; dentibus primariis divergentibus, simplicibus, lateralibus, longis, angustis, antico longiore cardine proximo; valvis intus violaceis, impressione pallii margine valde remoto.

*Corbicula Cashmiriensis*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* Cashmire. Coll. Cuming.



e. *Species Chinenses.*

## 15. CORBICULA WOODIANA.

C. testa subtrigona, subinflata, micante, subæquilaterali, transversim rugata; valvulis crassis; natibus magnis et rotundatis: dentibus cardinalibus subbifidis, lateralibus longis, serratis rectisque; margarita alba.

*Cyrena Woodiana*, *Lea, Trans. Amer. Phil. Soc.* v. 110. pl. 18. f. 55; *Observ. on the Genus Unio*, i. 222. pl. 18. f. 55.

*Wood, Ind. Test. Suppl.* 2. pl. 14. f. 58.

*Hab.* In rivulis Chinensibus prope Canton.

## 16. CORBICULA GRANDIS.

C. testa orbiculato-trigona, solida, tumidula, inæquilaterali, transversim irregulariter rugosa, anticè sulcis magis regularibus exarata; latere antico brevior, late arcuato, postico magis attenuato; epidermide nitidissima nigrescente vestita, ad margines flavescente, posticè squamosa; valvis intus pallide flavis; cardine incrassato, tridentato, dentibus approximatis, lateralibus brevibus, crassis, irregulariter striato-denticulatis.

*Corbicula grandis*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* China? Coll. Cuming.

## 17. CORBICULA SIMILIS.

B.M.

C. testa trigona, paululum latiore quam alta, depressiuscula, subæquilaterali, transversim tenue sulcata, posticè sulcis evanescentibus; latere antico rotundato, obtuso, postico productione cuneiformi, angulato; umbonibus prominentibus, recurvis, oppositis, decorticatis; ligamento brevi, angusto, partim immerso; epidermide viridi-fuscescente ad margines glaucescente; valvis intus albis, ad margines lutescentibus, cardine tridentato. nymphis basi irregulariter granoso-rugosis; dentibus lateralibus prælongis, angustis, transversim late profundeque sulcatis.

*Venus similis*, *Gray in Wood, Ind. Test. Suppl.* 1. pl. 2. f. 5.

*Cyrena similis*, *Gray in Griff. Anim. Kingd.* pl. 20. f. 2.

*Hab.* China?

## 18. CORBICULA LARGILLIERTI.

C. testa rotundato-trigona, subæquilaterali, compressiuscula, posticè angustior, subangulata; striis transversis confertissimis; epidermide olivacea, apicibus et pagina interna violaceis; dentibus lateralibus elongatis, striatis.



*Cyrena Largillierti*, *Phil. Abbild. Conch.* pl. 1. f. 1.

*Menke, Zeits. für Malak.* 1844, p. 163.

*Hab.* China.

#### 19. CORBICULA RECURVATA.

*C. testa trigona, brevi, alta, crassa, cordiformi, æquilaterali; lateribus subæqualibus, fere rectilineis, latere antico obtuso, postico angulato, margine inferiore vix arcuato; umbonibus angustis, prominentibus, oppositis, sæpius erosis; facies externa regulariter transversim sulcata, epidermide flavescente fusco zonato; valvis intus albis; cardine bidentato, dentibus lateralibus rectis, longissimis, simplicibus.*

*Cyrena recurvata*, *Eydoux, Moll. du Voy. de la Favorite, Mag. de Zool.* p. 11. pl. 119. f. 2.

*Hab.* In fluviis Chinæ, atque lacu et rivulis prope Manillam.

#### 20. CORBICULA FLUMINEA.

B.M.

*C. testa triangulari, gibba, opaca, anticè et posticè versus cardinem fere æqualis, epidermide viridi vestita, costis latis, transversim quasi circulis doliaribus circumdata intus albida, semicirculo nigro notata; dentibus cardinalibus et fossulis uti in præcedente (fluviatilis, Müller).*

*Tellina fluminea*, *Müll. Verm.* ii. 206.

*Gmel.* p. 3243. no. 80.

*Cyclas fluminea*, *Blainv. D. S. N.* xii. 280.

*Venus fluminea*, *Chemn. Conch.* vi. 320. pl. 30. f. 322, 323, an eadem species?

*Schröt. Einl.* iii. 159. no. 13.

*Wood, Ind. Test.* pl. 8. f. 114.

*Tellina fluviatilis*, *Schröt. Flussconch.* p. 193. pl. 4. f. 2. a, b.

*Cyrena fluminea*, *Lamk. An. s. Vert.* v. 553. no. 5.

*Hanley, Descr. Cat.* p. 92.

*Phil. Abbild. Conch.* p. 2. no. 3. pl. 1. f. 3, an eadem species?

*Mousson, Moll. de Java*, p. 87. no. 2. pl. 15. f. 3.

*Hab.* In arena fluviatili Chinæ (*Müller*); Java (*Mousson*); Manilla (*Cuming*).

#### 21. CORBICULA FLUVIATILIS.

B.M.

*C. testa triangulari, transversim rugosa; testa latior et tenuior, proxima præcedenti (fluminalis), fusco-virens, in cardine anticè et posticè æqualis latitudinis; lineis elevatis cineta (Müll.).*

*Tellina fluviatilis*, *Müll. Hist. Verm.* ii. 206.

*Gmel.* p. 3243. no. 81.

*Cyclas fluviatilis*, *Blainv. D. S. N.* xii. 280.

*Venus fluviatilis*, *Chemn. Conch.* vi. 320. pl. 30. f. 321.

*Wood, Ind. Test.* pl. 8. f. 115.

*Venus*, *Schröt. Einl.* iii. 158. no. 12.

*Cyrena fuscata*, *Lamk. An. s. Vert.* v. 552. no. 4, exclus. var.

*Cyrena fluviatilis*, *Phil. Abbild. Conch.* p. 3. no. 5. pl. 1. f. 5?

*Cyrena Manilensis*, *Phil. Zeits. für Malac.* 1841, p. 163.

*Hab.* In flumine emporium Canton, Chinæ præterlabente (*Müller*).

## 22. CORBICULA ORIENTALIS.

B.M.

*C.* testa rotundato-ovata, subtrigona, subæquilaterali, solida; apicibus erosis, obtusis; striis transversis regularibus remotis; epidermide olivaceo-atra; dentibus cardinalibus duobus in valvula dextra; dentibus lateralibus elongatis striatis.

*Cyrena orientalis*, *Lamk. An. s. Vert.* v. 552. no. 2, exclus. var.

*Desh. in Lamk. ed. 2.* vi. 273. no. 2.

*Anton, Verz. der Conch.* p. 13. no. 496, excl. syn.

*Phil. Abbild. Conch.* p. 1. no. 2. pl. 1. f. 2.

*Hab.* In China; in fluvio emporium Canton præterlabente frequentissima; pro calce uritur (*Phil.*).

## 23. CORBICULA NITENS.

*C.* testa trigona, inæquilaterali, tenui, tenuissime et confertissime transversim striata, olivaceo-flava; extremitate postica subrostrata fusca; dentibus lateralibus elongatis striatis.

*Cyrena nitens*, *Philippi in Menke, Zeits. für Malac.* 1844, p. 163; *Abbild. Conch.* p. 76. pl. 1. f. 4.

*Hab.* China.

*f. Species insulares.*

## 24. CORBICULA COMPRESSA.

*C.* testa ovato-trigona, transversa, subæquilaterali, fusca, transversim tenue et regulariter sulcata; anticè brevior, obtusa, posticè obscurè truncata; sulcis ad latus posticum evanidis; umbonibus obtusis, brevissimis decorticatis; valvis tenuibus, intus atro-violaceis; cardine angusto, sæpius candido, tridentato; dentibus lateralibus angustis, acutis, tenuissime striatis.

*Cyrena compressa*, *Mousson, MSS. fide Morelet.*

*Hab.* In rivulis insulæ Javanæ.

## 25. CORBICULA MOUSSONI.

B.M.

*C.* testa ovato-transversa, convexiuscula, inæquilaterali, transver-

sim striato-sulcata, striis remotis, æqualibus, fusco-nigra; umbonibus inflatis, obtusis, erosis; cardine angusto; dentibus cardinalibus tribus, dente mediano crassiore, postico angusto obsoleto; dentibus lateralibus angustis, brevioribus, tenuissime striatis; valvis intus violaceis, ad dentes laterales fusco-violaceis.

*Cyrena orientalis*, var. *Javanica*, *Mousson, Moll. terr. et fluv. de Java*, p. 85. pl. 15. f. 2.

*Hab.* Tikojia, in insula Javanica.

## 26. CORBICULA PULCHELLA.

*C.* testa ovato-orbiculari, vix trigona, subæquilaterali, lenticulari, apicibus perspicuis, transversim tenuiter sulcata, extus olivacea, intus pallide luteo-alba; margine cardinali brevi, anteriori angulo rotundato inferiori juncto; posteriori subtruncato; dentibus lateralibus valdè elongatis, tenuissimis, minutè serrulatis; dentibus cardinalibus minutis, intraque valva, angulo cardinali 120°.

*Cyrena pulchella*, *Mousson, Moll. Java*, p. 88. no. 3. pl. 15. f. 4.

*Hab.* Insulam Javanicam prope Tjikoya.

## 27. CORBICULA RIVALIS.

*C.* testa trigono-orbiculari, æquilaterali, compressa, satis tenui, olivacea, sulcis concentricis confertis cineta; umbonibus acutiusculis, parum prominentibus; dentibus lateralibus elongatis, serrulatis, anticis subæqualibus; pagina interna omnino violacea.

*Cyrena rivalis*, *Von dem Busch in Phil. Abbild. Conch.* iii. 110. no. 5. pl. 3. f. 5.

*Hab.* Java.

## 28. CORBICULA CUMINGII.

B.M.

*C.* testa ovata, subtrigona, inæquilaterali, tenui, turgida, subcordiformi; epidermide nitente viridescente vestita, transversim regulariter sulcata, sulcis distantibus posticè evanidis; umbonibus tumidis, prominentibus, lævigatis, atro-violaceis, sæpius integris, oppositis; cardine angusto, inæqualiter tridentato, dentibus divergentibus; nymphis basi granoso-corrugatis; dentibus lateralibus angustis, elongatis, æqualibus, antico in medio prominentiore.

*Corbicula Cumingii*, *Desh. Proc. Zool. Soc.* 1854.

Var.  $\beta$ . Testa globulosa, ventricosiore.

*Hab.* Insula Luzon Philippinarum (*Cuming*); India, Bareilly loco dicto (*Benson*).

## 29. CORBICULA MALACCENSIS.

C. testa ovato-transversa, subtrigona, inæquilaterali, turgidula, solidula; epidermide glaucescente vestita, transversim regulariter et tenue sulcata, extremitatibus obtusa, latere antico longiore; cardine angusto, tridentato, altero bidentato; dentibus lateralibus angustis, tenuissime striatis, antico longiore, valvis intus albis vel pallide violaceo tinctis.

*Corbicula Malaccensis*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* In rivulis ad Malaccam affluentibus. Coll. *Cuming*.

## 30. CORBICULA TUMIDA.

B.M.

C. testa regulariter ovato-transversa, tumida, tenui, subæquilaterali, posticè paulo longiore, utraque extremitate æqualiter obtusa; epidermide viridi, nitente vestita, transversim sulcata, sulcis valde distantibus; umbonibus parvis, turgidulis, integris; cardine angustissimo, dentibus cardinalibus tribus angustis, inæqualibus, valde divergentibus, lateralibus angustissimis, arcuatis, argute crenulato-striatis.

*Corbicula tumida*, *Desh. Proc. Zool. Soc.* 1854.

Var.  $\beta$ . Testa juniore epidermide glaucescente, valvulis intus extusque fusco trimaculatis.

*Hab.* Borneo. Coll. *Cuming*, pro varietate.

### g. *Species Australienses.*

## 31. CORBICULA OVALINA.

C. testa ovato-transversa, subæquilaterali, tenui, subventricosa, epidermide viridi vel nigrescente vestita, sulcis latis exarata, ad latus posticum evanescentibus; latere postico paulo longiore; cardine angusto, dentibus cardinalibus valde divaricatis, inæqualibus, lateralibus brevibus, antico paulo longiore, postico in medio prominentiore, utroque latere densè striato, cardine remoto.

*Corbicula ovalina*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* In rivulis Portu Essingtonensi affluentibus. Coll. *Cuming*.

## 32. CORBICULA AUSTRALIS.

B.M.

C. testa ovato-oblonga, striata, subdepressa, tenui, fragili, fusco-virente, intus aurantia, striis tenuissimis, transversalibus.

*Cyrena australis*, *Desh. Encycl. Méth. Vers.* ii. 50. no. 12; in *Lamk. An. s. Vert.* ed. 2. vi. 278. no. 16.

*Wood, Ind. Test. Suppl.* 2. pl. 14. f. 57.

Var.  $\beta$ . Testa lutescente.

*Hab.* Nova Hollandia.

## 33. CORBICULA NEPEANENSIS.

B.M.

C. testa regulariter transversim ovata, tenui, turgidula, æquilaterali, epidermide nitente flavicante vestita, intus pallide aurantia, transversim striata, striis distantibus, in latere antico profundioribus, lateribus æqualiter obtusis; umbonibus parvis, obtusis, erosis; cardine angusto, dentibus cardinalibus inæqualibus tribus, valde divergentibus, lateralibus angustissimis, æqualibus, obsoletè tenuissimè striatis.

*Cyrena Nepeanensis*, *Less. Voy. de la Coq. Zool.* ii. 428. pl. 13. f. 14.

*Hab.* Fluvius Nepean dictus Novæ Hollandiæ.

## 34. CORBICULA SEMISULCATA.

C. testa transversa, ovato-subtrigona, inæquilaterali, tumidula, solidiuscula, transversim incremento irregulariter substriata, anticè regulariter sulcata; epidermide squalide virescente vestita, aliquando zonulis transversis nigrescentibus interrupta, intus profundè violacea; cardine tridentato, dentibus fere æqualibus, lateralibus validis, brevibus, postico cardine remoto; sinu pallii postico brevi, angusto, triangulari, acuto.

*Corbicula semisulcata*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* In fluvio Victoriæ Novæ Hollandiæ. Coll. Cuming.

h. *Species Americæ meridionalis.*

## 35. CORBICULA OBSOLETA.

C. testa ovato-trigona, obliqua, tumidula, inæquilaterali, solidiuscula, transversim irregulariter striato-sulcata; epidermide olivaceo vestita, zonulis obscurioribus interrupta, utroque latere declivi, anticè lata, breviori, obtusa, posticè subangulata; umbonibus prominentibus, obliquis; cardine angusto; dentibus cardinalibus tribus minimis subparallelis, dentibus lateralibus



angustis, æqualibus, antico arcuato; valvis intus vivide violaceis.

*Corbicula obsoleta*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* In fluminibus reipublicæ Uruguayensis. Coll. Cuning.

### 36. CORBICULA CUNEATA.

B.M.

*C. testa* cordato-trigona, valde inæquilaterali, turgida, anticè rotundata, posticè longiore, subacuminata; epidermide fusco-viridi vestita, transversim confertim sulcata, intus violacea; dentibus lateralibus striatis, elongatis, angustis; sinu palliari minimo, triangulari.

*Cyrena cuneata*, *Jonas, Zeits. für Malac.* 1844, p. 186; *Abhandl. Naturwiss. Hamb.* p. 13. pl. 7. f. 5.

*Hab.* Flumen Orinoco (*Jonas*).

### 37. CORBICULA PARANENSIS.

*C. testa* rotundato-cordata, inflata, crassa, concentricè striata, epidermide luteo-virescente; latere antico brevi, angustato; latere postico dilatato, subtruncato; dentibus cardinalibus tribus; dentibus lateralibus crenulatis; intus albicante vel violacea.

*Cyrena paranacensis*, *D'Orb. Mag. de Zool.* 1835, p. 44. no. 1.

*Cyclas paranensis*, *D'Orb. Voy. en Amér. Moll.* p. 567. pl. 83. f. 23-25.

*Hab.* Flumen Parana Americæ meridionalis.

### 38. CORBICULA LIMOSA.

*C. testa* ovata, transversim striata, intus purpurea; umbonibus acutiusculis prominentibus, epidermide viridi.

*Tellina limosa*, *Maton, Linn. Trans.* x. 228. pl. 24. f. 8-10.

*Wood, Gen. Conch.* p. 199. pl. 46. f. 4, 5; *Ind. Test.* pl. 5. f. 86.

*Dillw. Cat.* i. 106. no. 77.

*Cyclas limosa*, *Blainv. D. S. N.* xii. 280.

*Cyrena limosa*, *Gray, Ann. Phil.* 1825, p. 117.

*Hab.* Fluviiis Americæ meridionalis.

### 39. CORBICULA CONVEXA.

*C. testa* orbiculato-cordiformi, globulosa, inæquilaterali, crassa, solida, viridi-olivacea, tenuissime et irregulariter striata, ad umbones lævigata, anticè brevior; umbonibus tumidis, obtusis, oppositis; valvis solidiusculis, intus albis; cardine inæqualiter tridentato, dente mediano valvulæ dextræ bifido; dentibus

lateralibus subæqualibus angustis, tenuè et breviter crenulatis ;  
impressione pallii posticè sinu parvulo, trigono, terminata.

*Corbicula convexa*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* In fluviis Americæ centralis.

#### 40. CORBICULA BRASILIANA.

B.M.

*C.* testa trigona, subtransversa, tumidula, inæquilaterali, tenuè et regulariter transversim striata, epidermide viridi nitente vestita ; umbonibus minimis, prominulis, oppositis ; latere antico paulo breviori, supernè rectilineo, declivi, postico parumper attenuato, rotundato ; cardine angusto tridentato, altero bidentato, dentibus minimis divergentibus, lateralibus elongatis, angustis, sub lente exilime striatis ; sinu pallii parvulo triangulari, apice acutissimo.

*Corbicula Brasiliana*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* Para Brasiliensis.

#### 41. CORBICULA VARIEGATA.

*C.* testa ovato-elliptica, compressa, tenui, concentricè striata, epidermide viridescente, brunnea ; latere antico brevi, rotundato, dentibus lateralibus angustatis, crenatis ; violacea, viridescenti vel radiatim violacea, intus albida vel violacea.

*Cyrena variegata*, *D'Orb. Mag. de Zool.* 1835, p. 44. no. 2.

*Cyclas variegata*, *D'Orb. Voy. en Amér.* p. 567. pl. 82. f. 14-16.

*Cyclas limosa*, *D'Orb. (non Maton) Expl. de la pl.* 82.

*Phil. Abbild. Conch.* p. 9. no. 5. pl. 2. f. 5.

*Hab.* In fluviis reipublicæ Urugayensis orientalis.

i. *Species quarum patria ignota est.*

#### 42. CORBICULA PULLATA.

*C.* testa suborbiculari, parum trigona, subæquilaterali, tumida, nigro-olivacea, striis transversis elevatis remotiusculis cincta ; apicibus parum tumidis, cariosis ; dentibus lateralibus elongatis, serrulatis, anticis subæqualibus ; pagina interna atro-violacea.

*Cyrena pullata*, *Phil. Abbild. Conch.* iii. 110. no. 6.

*Hab.* —?

#### 43. CORBICULA OBSCURA.

*C.* testa ovato-suborbiculari, depressiuscula, subæquilaterali, extremitatibus æqualiter obtusa, transversim irregulariter striata,

striis anticè profundioribus, epidermide atro-virescente vestita ; cardine tridentato, dentibus æqualibus divergentibus, dentibus lateralibus brevibus, angustis, antico paulo longiore ; impressione pallii posticè sinuosa, sinu brevissimo, lato.

*Corbicula obscura*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* — ? *Coll. Cuming.*

#### 44. CORBICULA INCRASSATA.

*C.* testa ovato-trigona, valde inæquilaterali, crassa, solida, cuneiformi, transversim densè striata, epidermide atro-viridi vestita, latere antico brevi valde declivi, obtuso, postico subangulato ; margine inferiore parum arcuato ; umbonibus tumidis, oppositis, sæpius erosis ; cardine incrassato, tridentato, dentibus cardinalibus subparallelis, lateralibus densissime et argute striatis, antico paulo breviori.

*Corbicula incrassata*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* — ? *Coll. Cuming.*

#### 45. CORBICULA SQUALIDA.

*C.* testa ovato-transversa, subtrigona, subæquilaterali, tenui, turgidula, utraque extremitate obtusa, transversim sulcata, sulcis irregularibus distantibus aliquando interruptis, posticè anticèque sæpius evanidis ; epidermide viridi, fusco atrato, squalide irregulariter maculata, lineolis capillaceis undulatis longitudinalibus ornata ; umbonibus tumidis, integris, lævigatis ; valvis intus violaceo-rubris ; cardine angusto, tridentato, altero bidentato, dentibus exiguis, lateralibus angustis, æqualibus striato-serrulatis.

*Corbicula squalida*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* — ? *Coll. Cuming.*

#### 46. CORBICULA SULCATINA.

*C.* testa ovato-trigona, turgidula, cordiformi, subæquilaterali, obliqua, transversim densè et tenuè sulcata, sulcis posticè evanescentibus ; lunula depressa, lævigata ; epidermide viridiflavescente, ad umbones decorticata ; umbonibus lævigatis, prominentibus, obliquis ; intus candida, ad margines pallide castanea ; cardine angusto, utroque latere bidentato, dentibus lateralibus æqualibus, brevibus, striatis.

*Corbicula sulcatina*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* — ? *Coll. Cuming.*

## 47. CORBICULA TRIANGULARIS.

C. testa trigona, æquilaterali, alta, tumidula, solida, epidermide fuscescente vestita, transversim irregulariter striato-rugosa, utroque latere æqualiter declivi; umbonibus prominentibus, violaceo-lividis, vel roseis violaceo subradiatis; valvis intus supernè rubescentibus, ad margines violaceis; cardine incrassato, inæqualiter tridentato; dentibus lateralibus crassis, prælongis, tenuissime striatis.

*Corbicula triangularis*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* —? Coll. Cuming.

k. *Species dubiæ.*

## 48. CORBICULA DEBILIS.

C. testa parva, tenui, transversè ovata, posticè ampliata, et subtruncata, subæquilaterali, transversim liris confertis, subreflexis, arata; epidermide nitido, supernè olivaceo induta; apicibus parum elevatis, erosis, absque lunula; intus violaceo-albida; dentibus cardinalibus inconspicuis, lateralibus elongatis, striatis.

*Cyrena debilis*, *Gould, Proc. Bost. Soc. Nat. Hist.* iii. 293; *United States Expl. Exped. Moll.* p. 427. f. 529. a, b.

*Hab.* In fluvio Hunteriano Novæ Hollandiæ.

An *Cyclas*? deficiunt dentes cardinales.

## 49. CORBICULA TRIGONELLA.

C. testa parvula, triangulari, subæquilaterali, fulva, læviuscula; natibus subviolaceis.

*Desh. Lamk. An. s. Vert.* ed. 2. vi. 273. no. 1.

*Hanley, Descr. Cat.* p. 92.

*Anton, Verz. der Conch.* p. 13. no. 498.

*Hab.* —?

## 50. CORBICULA EUPHRATICA.

*Bronn, System. Urwelt. Conch.* pl. 4. f. 10.

*Hab.* —?

## Genus 2. BATISSA.

Animal *Cyrenæ* simillimum.

Testa ovata vel subcirculari, subcordata, epidermide viridi olivaceo vestita; cardine lato, utriusque valvæ tridentato, dentibus

divergentibus, inæqualibus, posticali longiore et angustiore ; dentibus lateralibus elongatis, angustis, acutis, striatis ; ligamentum magnum, crassum, subcylindricum ; impressiones musculares magnæ, lunulares vel circulares ; impressio pallii simplex.

*Cyrena* (ex parte), *Lamk. Syst.* 1818.

*Corbicula* (spec.), *Gray, Proc. Zool. Soc.* 1847, p. 184.

*Batissa*, *Gray, Ann. & Mag. N. H.* ser. 2. xi. 34, 1852.

#### a. *Species Javanicæ.*

##### 1. BATISSA ROTUNDATA.

B. testa rotundata, sublenticulari, subæquilaterali, transversim rugata ; latere posteriori rugoso ; valvulis crassis ; natibus parvis, acutis, configuis ; dentibus cardinalibus subbifidis ; lateralibus longis, minute serratis, rectisque ; margarita alba et purpurea.

*Cyrena rotundata*, *Lea, Trans. of Amer. Phil. Soc.* v. 107. pl. 17. f. 51 ; *Observ. on the Genus Unio*, i. 219. pl. 17. f. 51.

*Hanley, Descr. Cat.* p. 93 ; in *Wood, Ind. Test. Suppl.* 2. pl. 14. f. 55.

*Hab.* Java ; insulæ Philippinenses.

##### 2. BATISSA EXIMIA.

B. testa ovato-orbiculari, crassiuscula, inæquilaterali, transversim striata, margine subrugosa ; umbonibus tumidis, obliquis, haud erosis, plicis obsoletis rugulosis irregularibus ab iisdem ad latus posticum decurrentibus ; epidermide atro-fusca marginem versus sublamellosa ; intus alba, dentibus cardinalibus in utraque valva tribus, majoribus bifidis, lateralibus valvæ sinistræ haud crenulatis, antico valde crasso, brevi, cardine approximato, dente postico remoto, longiore, subcompresso, ligamento peculiari crasso, in dorso compresso et carinato.

*Cyrena eximia*, *Dunk. Zeitsch. für Malac.* 1852, p. 51. no. 4.

*Hab.* In flumine Progo, prope Mangelang, in insula Java.

#### b. *Species Philippinenses.*

##### 3. BATISSA KERAUDRENIA.

B.M.

B. testa obovata, inæquilaterali, crassa, solida, compressiuscula, maxima ; latere antico brevi, rotundato, postico latiore, supernè subdeclivi, angulum obtusum ad extremitatem ligamenti formante, margine ventrali convexiusculo ; umbonibus recurvis, prominulis, obliquis, approximatis, sæpius integris aliquantisper erosis ; ligamento permagno, prominente cylindræco, posticè



subito truncato; epidermide crassa, atro-fuscescente vel olivacea; valvis intus albis, ad margines infernè posticèque purpureo-violaceis; cardine incrassato; dentibus cardinalibus inæqualibus, mediano valvæ dextræ majore, antico brevior, postico angustior et longior; dentibus lateralibus angustis, elongatis, supernè transversim striatis, aliquantisper violaceo tinctis.

*Cyrena Keraudrenia*, Lesson, *Voy. de la Coq. Moll.* p. 429. pl. 11. f. 3 (1829).

*Cyrena philippinarum*, Hanley, *Proc. Zool. Soc.* 1844, p. 259; in Wood, *Ind. Test. Suppl.* 2. pl. 14. f. 60.

Var.  $\beta$ . Testa paulo depressiore, posticè angulata.

*Hab.* Insula Waigiou dicta atque insulæ Philippinenses; fluvii insulæ Nicobaricæ.

#### 4. BATISSA INSIGNIS.

B. testa ovato-orbiculari, obliquè inæquilaterali, tumida, tenui, intus violacea, epidermide nigro-virescente, nitido vestita, in latere antico latè sulcata, sulcis remotis, ad lunulam sæpius inter se conjungentibus; umbonibus prominentibus erosis, anticè inclinatis; cardine angusto, obliquo, inæqualiter tridentato; dentibus in valva sinistra angustioribus, mediano bifido, in dextra crassioribus simplicibus; dentibus lateralibus angustis, postico valvæ sinistræ laminato apice regulariter serrulato.

*Batissa insignis*, Desh. *Proc. Zool. Soc.* 1854.

*Hab.* Calamang, insula Luzon Philippinarum. Coll. Cuming.

#### 5. BATISSA TRIQUETRA.

B. testa trigona, obliqua, inæquilaterali, cuneiformi, lævigata, epidermide nigro vestita, depressiuscula; margine antico rectilineo, postico valde convexo, dilatato, inferiore vix arcuato; umbonibus profundè erosis; lamina cardinali angusta, dentibus cardinalibus tribus inæqualibus, brevibus, subcanaliculatis; lateralibus elongatis, angustis, subæqualibus, antico cardine adnato, postico remoto; valvis tenuibus intus albis.

*Batissa triquetra*, Desh. *Proc. Zool. Soc.* 1854.

*Hab.* Insulæ Philippinenses; Australia. Coll. Cuming.

#### 6. BATISSA PRODUCTA.

B. testa suborbiculari, valde obliqua, inæquilaterali, depressiuscula, crassa, solida, transversim latè et obsoletè plicata vel subundulata, epidermide polita, atro-virescente vestita, intus supernè alba, posticè infernèque violacea; umbonibus magnis,

productis, anticè obliquatis; cardine lato, crasso, valde obliquo, inæqualiter tridentato, dentibus majoribus supernè obsoletè canaliculatis, lateralibus validis, antico crasso, obsoletè rugoso vel striato, postico compressiore et paulo longiore, latere antico brevi rotundato, postico dilatato.

*Batissa producta*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* Insulæ Philippinenses. Coll. Cuming.

## 7. BATISSA CHILDRENÆ.

B.M.

B. testa ovato-subrotunda, obliqua, inæquilaterali, depressiuscula, crassa, solida, posticè ab umbonibus obscure subangulata, epidermide fusco-viridi nitente induta, intus alba, in fornice sæpius aurantio-purpurascente posticè violacea; latere antico brevior, obtuso, transversim inæqualiter sulcato; sulcis in medio evanidis; latere postico latiore rugis irregularibus divergentibus notato, lamina cardinali lata, crassa, dentibus primariis tribus inæqualibus, in utraque valva medianis validioribus; dentibus lateralibus subæqualibus, antico basi lato.

*Cyrena Childrenæ*, *Gray, Ann. Phil.* 1825, p. 117.

*Venus Childreni*, *Gray in Wood, Ind. Suppl.* pl. 2. f. 13.

Var.  $\beta$ . Testa minore paulo transverso magis depressa.

*Hab.* Insulæ Philippinenses.

## 8. BATISSA LENTICULARIS.

B. testa orbiculari, tantum alta quam lata, æquilaterali, subsymmetrica, lenticulari, turgidula, epidermide nitidissima atro-virescente vestita, lineis longitudinalibus tenuissimis obsoletis irregulariter in medio radiata, intus albo-violacea; latere antico posticum æquante et æqualiter obtuso; cardine angusto, tridentato; dentibus majoribus supernè canaliculatis, mediano valvæ dextræ majori; dentibus lateralibus subæqualibus, antico crassiore, tenuè rugoso, postico laminato obsoletè striato; umbonibus parvis, acutis, integris, oppositis.

*Batissa lenticularis*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* Insulæ Philippinenses (*Cuming*). Coll. Cuming.

### c. *Species Sumatrensis.*

## 9. BATISSA JAYENSIS.

B. testa subrotunda, inæquilaterali, anticè rugosa; valvulis crassis; natibus parvis, elevatis; dentibus cardinalibus bifidis; lateralibus longis, minutè serratis rectisque margarita purpurea.

*Cyrena Jayensis* (Jayana), *Lea, Trans. of Amer. Phil. Soc.* v. 108. pl. 17. f. 52; *Observ. on Gen. Unio*, i. 220. pl. 17. f. 52.

*Hab.* In fluviis insulæ Sumatrensis.

d. *Species Australienses.*

10. *BATISSA TENEBROSA.*

B.M.

B. testa ovata, fusco-virente, transversim striata; natibus valde erosis; dentibus lateralibus serrulatis; latere antico rectiusculo; intus violacea.

*Cyrena tenebrosa*, *Hinds, Ann. Nat. Hist.* p. 81; *Voy. of Sulphur*, p. 66. pl. 21. f. 7.

*Hanley in Wood, Ind. Test. Suppl.* 2. pl. 15. f. 2.

*Hab.* Insulas Feejee dictas.

11. *BATISSA VIOLACEA.*

B.M.

B. testa ovato-transversa, elliptica, compressa, inæquilaterali, crassa, solida, anticè posticèque obtusa; margine superiore utroque declivi; umbonibus tumidulis, decorticatis, parum obliquis; latere antico latè sulcato, postico irregulariter striato; epidermide crassa, viridi-fuscescente, polita; valvis intus purpureo-violaceis vel vivide purpuratis; cardine crasso; dentibus inæqualibus, lateralibus transversim sulcatis.

*Cyelas, Brug. Ency.* pl. 301. f. 1. a, b.

*Cyrena violacea, Lamk. An. s. Vert.* v. 553. no. 7.

*Desh. Ency. Méth. Vers.* ii. 49. no. 9; *in Lamk. An. s. Vert.* ed. 2. vi. 275. no. 7.

*Deless. Rec. de Coq. of Lamk.* pl. 7. f. 5.

*Hanley, Descr. Cat.* i. 92.

*Anton, Verz. der Conch.* p. 13. no. 499.

*Wood, Ind. Test. Suppl.* 2. pl. 13. f. 13.

*Phil. Abbild. Conch.* iii. 108. no. 2. pl. 3. f. 2.

Var. *suborbicularis*, *Mousson, Moll. de Java*, p. 88. pl. 15. f. 1? (an altera species?)

*Hab.* Nova Guinea (*Lesson*). Var. *suborbicularis* insulæ Javanicæ (*Mousson*).

12. *BATISSA OBESA.*

B.M.

B. testa ovata, turgida, flavo-virente, transversim striata; natibus subintegris; dentibus lateralibus serrulatis; latere antico convexo; intus pallide violacea.

*Cyrena obesa* *Hinds, Ann. Nat. Hist.* x. 81; *Voy. of Sulphur*, p. 66. pl. 21. f. 6.

*Wood, Ind. Test. Suppl.* 2. pl. 15. f. 3.

*Hab.* Insulæ Feejee dictæ.

### 13. BATISSA CORBICULOIDES.

B.M.

B. testa obliquè triangulari, inæquilaterali, tumida, crassa, solida, epidermide squalide viridi-fuscescente vestita, transversim inæqualiter sulcata et striata; umbonibus productis erosis, obliquis; lunula angulo obtusissimo notata, magna, ovato-lanceolata, lævigata; area posticali rugis irregularibus obsoletis divaricatis corrugata; cardine lato, crasso, inæqualiter tridentato, dentibus compressis, divergentibus, simplicibus; dentibus lateralibus sicut in Corbiculis elongatis, angustis, tenuè striatis, antico paulo brevioribus; valvis intus albis, in margine postico violaceo maculatis.

*Batissa corbiculoides*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* Nova Guinea (*Jukes*).

### 14. BATISSA HUMEROSA.

B. testa trigona, inæquilaterali, cuneiformi, supernè gibbosa, transversim inæqualiter striato-sulcata; epidermide nigrescente vestita, intus alba, in medio pallide purpureo tineta; latere antico rectilineo, valde declivi, infernè obtusè angulato, margine dorsali leviter convexo, declivi, margine inferiore parum arcuato, rugis aliquibus in latere postico divergentibus; umbonibus profundè erosis; cardine lato, tridentato, dentibus inæqualibus simplicibus, medianis majoribus; dente laterali antico cardine adnato, irregulariter corrugato, postico longiore, angustiore, striis brevibus notato.

*Batissa humerosa*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* Nova Guinea. Coll. Cuming.

*e. Species quarum patria ignota est.*

### 15. BATISSA MEGADESMA.

B. testa ovato-transversa, magna, crassa, ponderosa, inæquilaterali, anticè brevi, obtusa, rotundata, fusco-nigrescente, latè et irregulariter transversim undulata, anticè sulculosa; latere supero et postico sulco obsoleto decurrente distincto; ligamento maximo, elongato, cylindræo, in medio carinato; umbonibus erosis; valvis intus candidissimis; cardine crasso, in utraque valva tridentato, dente posticali valvæ sinistræ angusto,

elongato, dentibus obliquis; dente laterali antico cardine proximo irregulariter sulcato, posticali angusto cardine remotissimo.

*Batissa megalesma*, *Desh. Proc. Zool. Soc.* 1844.

*Hab.* —?

#### 16. BATISSA ATRATA.

B. testa orbiculari, sublenticulari, æquilaterali, transversim obsoletè striato-sulcata, intus extusque aterrimè violacea; umbonibus brevibus minimis, oppositis, approximatis, apice decorticatis; valvis tenuibus; cardine angusto, inæqualiter tridentato; dente antico in utraque valva angusto; dentibus lateralibus brevioribus, angustis, obliquè sulcato-rugosis; impressione pallii posticè leviter inflexa.

*Batissa atrata*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* —?

### Genus 3. VELORITA.

Animal ignotum.

Testa alta, crassa, solida, cordiformis, epidermide nitente vestita, posticè truncata, angulata; cardine crasso, lato, inæqualiter tridentato, dentibus compressis, parum obliquis, antico valvæ dextræ brevissimo, postico valvæ sinistræ obsoleto; dentes laterales valde inæquales, anticus crassus, brevis, transversus, cardine coadunatus, posticus elongatus, tenuissime striatus, cardine remotus; musculorum cicatriculæ subrotundatæ, æquales; pallii impressio posticè sinu brevissimo terminata; ligamentum externum, breve, angustum, semicylindraceum.

*Cyrena* (sp.), *Gray, Ann. Phil.* 1825, p. 137.

*Venus*, *Gray in Wood* (1828), *Ind. Test. Suppl.* pl. 2. f. 14.

*Velorita*, *Gray* (1834), *Griff. Anim. Kingd. Moll.* pl. 31. f. 5. (misprint *Villorita*); *Syn. B. M.* (1842) 75; *Proc. Zool. Soc.* 1847, p. 184; *Ann. & Mag. N. H.* ser. 2. xi. 34.

*Villarita*, *Dunker*, 1846 (misprint).

*Cyrenodontæ*, *Johannis, Mag. Zool.* 1836, t. 70.

#### 1. VELORITA CYPRINOIDES.

V. testa trigonali, altiori quam lata, cordiformi, valde inæquilaterali, crassa, tumida, solidissima, transversim regulariter sulcata, sulcis anticè posticèque evanescentibus; epidermide olivaceo-fuscescente nitidissime vestita, latere antico latiore, latè semicirculari, postico brevissimo, recto, valde declivi, angulo



obtusum circumscriptum; cardine lato, crasso, brevi, inæqualiter tridentato, dentibus angustis, elongatis, parallelis, apice vix canaliculatis; dente laterali antico maximo, crasso, cardine valde approximato, postico longiore, angusto, valde separato.

*Cyrena cyprinoides*, Gray, *Ann. Phil.* 1825, p. 137.

*Velorita cyprinoides*, Gray in Griff. *Anim. Kingd.* pl. 31. f. 5; *Ann. & Mag. N. H.* ser. 2. xi. 39.

*Venus cyprinoides*, Gray in Wood, *Ind. Test. Suppl.* pl. 2. f. 11.

*Hab.* Fluvii Japonicis.

#### Genus 4. CYRENA.

Animal ovatum, transversum; pallium ad margines simplex vel fimbriatum, posticè tracheis binis basi connatis, brevibus, terminatum. Pes magnus, compressus, ovato-trigonus; labiarum appendices elongatæ, ovatæ, trigonæ, necnon conjunctæ; branchiæ inæqualissimæ, interna major subquadrangularis, externa minima subtrigona.

Testa ovata vel subtrigona, crassa, solida, epidermide vestita, cardo in utraque valva tridentatus, dentes paulo divergentes; dentes laterales duo, inæquales; antico brevior cardine approximato; impressio pallii simplex.

*Venus*, Chemn. (1782) *Conch.* vi. 333.

*Cyclas* (ex parte), Brug. (1792) *Ency. Méth.* pl. 301, 302.

Lamk. (1802) *Syst. des An. s. Vert.*

*Cyrena* (pro parte), Lamk. (1818) *An. s. Vert.* v. 551.

*Cyrena* β, Gray (1847), *Proc. Zool. Soc.* p. 184.

Geloina, Gray (1840), *Syn. Mus. Brit.* 1844, p. 75.

*Cyrena*, Gray (1851), *Ann. & Mag. Nat. Hist.* ser. 2. xi. 48.

*Polymeroda*, Rafin. *Ann. Gen. Sci. Nat. Brux.* 1820, v. 219.

#### SYNOPSIS SPECIERUM.

##### I. *Cyrenæ veræ*.

A. Testa ovata, suborbicularis vel subtrigona, epidermide lamellosa vel squamulosa.

a. *Testa subtrigona*, 1-13.

b. *Testa ovata*, 14-30.

c. *Testa suborbicularis*, 31-34.

B. Testa trigona, tumida, subcordiformi, epidermide nitente, 35-41.

II. *Cyrenæ anomales.*a. *Testa ovata, turgidula*, 42–49.b. *Testa tenuis, rotundata, cordiformis*, 50–58.III. *Species incertæ*, 59, 60.I. *Cyrenæ veræ.*A. *Testa ovata, suborbicularis vel subtrigona.*a. *Testa subtrigona.*

## 1. CYRENA TRIANGULARIS.

C. testa trigona, solidiuscula, epidermide fusco-virescente, transversim striata, striis marginalibus lateralibusque eminentioribus, sulco ab umbone ad marginem posteriorem leviter impressa; margine antico descendente, vix excavato, angulo anteriore rotundato; margine superiore subrotundato, postico fere biangulato; valvis intus lacteis, margine continuo nitentiore; dentibus cardinalibus in utraque valva tribus, duobus bifidis; dentibus lateralibus brevibus, tenuissime rugosis laud striatis.

*Cyrena triangularis*, Metcalfe, *Proc. Zool. Soc.* 1851, p. 74. no. 36.

*Hab.* Borneo.

## 2. CYRENA TURGIDA.

C. testa trigona, inflata, parte antica turgida, rugosa, inæquilaterali, transversim rugata; valvulis crassis; natibus elevatis, recurvis; dentibus cardinalibus sub-bifidis; dente anteriore laterali brevi et elevato, posteriore longo et laminato; margarita alba.

*Cyrena turgida*, Lea, *Trans. of Amer. Phil. Soc.* v. 109. pl. 18. f. 53; *Observ. on the Genus Unio*, i. 221. pl. 18. f. 53.

Hanley, *Descr. Cat.* i. 93; in Wood, *Ind. Test. Suppl.* 2. pl. 14. f. 50.

*Hab.* In fluviis Indiæ.

## 3. CYRENA SUMATRENSIS.

C. testa ovali, gibbosa, crassa, intus alba aut flavesciente, extus fusco-virescente; dentibus cardinalibus tribus, duobus majoribus, angulatis, sub-bifidis, dentibus lateralibus brevibus, tenuissime rugosis.

*Cyrena Sumatrensis*, Sow. *Gen. of Shells*, f. 1–4.

Desh. Lamk. *An. s. Vert.* ed. 2. vi. 277. no. 15.

Reeve, *Conch. Syst.* pl. 63.

Hanley, *Descr. Cat.* p. 94; in Wood, *Ind. Test. Sup.* 2. pl. 15. f. 1.

*Hab.* In rivulis insulæ Sumatrensis.

## 4. CYRENA BENGALENSIS.

B.M.

C. testa subcordata, trigona, inæquilaterali, tumidiuscula, crassa, solida, alba sub epidermide squalide fuscescenti, transversim irregulariter striata; latere antico valde declivi, planulato, posteriore dorsali parum convexo; margine inferiore vix arcuato; umbonibus erosio obliquè incurvatis parum prominentibus; valvis intus albis, cardine incrassato, obliquè tridentato; dentibus subparallelis sensim crescentibus, duobus in valva dextra bifidis uno mediano in valva sinistra; antico minore, dentibus lateralibus maximis, brevibus, simplicibus; impressione pallii prope marginem inferiorem descendente; nymphis latis, depressis; ligamento angusto, brevi, partim immerso.

*Cyrena Bengalensis*, *Desh. Lamk. An. s. Vert.* ed. 2. vi. 276. no. 10.

*Deless. Rec. de Coq.* pl. 7. f. 6. a-d.

*Hanley, Descr. Cat.* p. 91; in *Wood, Ind. Test. Suppl.* 2. pl. 13. f. 14.

*Hab.* In rivulis Bengalensibus.

## 5. CYRENA BUSCHII.

B.M.

C. testa trigono-orbiculari, inæquilaterali, alba, incrassata, solida, tumidiuscula; epidermide olivaceo-viridi vel castanea, regulariter concentricè lamellata; latere antico brevi, obtuso, declivi, rectilineo, planiusculo; postico convexiusculo, ad extremitatem obtuso; inferiore parum arcuato; umbonibus obliquè prominulis, sæpius integris, cardine angusto, dentibus cardinalibus tribus, inæqualibus, sensim crescentibus, duobus posticis valvæ dextræ anterioribus, valvæ sinistræ bifidis, dentibus lateralibus brevibus, antico cardine approximato.

*Cyrena Buschii*, *Phil. Abbild. Conch.* p. 8. no. 2. pl. 2. f. 2.

*Hab.* China.

## 6. CYRENA EXPANSA.

C. testa crassiuscula, subinflata, inæquilaterali, rotundato-trigona, lineis transversis æquidistantibus, anticè punctatis, posticè crispulatis ornata, nitida, extus viridi-lutea, intus tota alba; margine cardinali, brevi, anteriori et inferiori rotundatis; posteriori subexpanso, infra angulato; dentibus cardinalibus duobus bifidis, tertio simplici, in valva dextra anteriori, in sinistra posteriori; dente laterali antico subapproximato, posteriori subremoto.

*Cyrena expansa*, *Mousson, Moll. Java*, p. 89. no. 6. pl. 14.

*Hab.* Insula Javanica (*Mousson*).

## 7. CYRENA FALLAX.

B.M.

C. testa ovato-trigona, plus minusve tumida, crassa, solida, in medio ventricosa, epidermide squalide fuscescente, ferruginea, in junioribus flavescens vestita, transversim irregulariter striata; latere antico brevior, supernè fere rectilineo, declivi, rotundato, margine postico superiore recto, declivi; extremitate postica sensim attenuata, breviter truncata; area plana, lævigata, angulo obtusissimo circumscripta; cardine satis lato, dentibus tribus inæqualibus in valva dextra crassioribus majoribus bilobatis; dente laterali antico compresso brevi, postico longiore.

*Cyrena fallax*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* Insulæ Philippinenses; Australia (*Cuming*). Coll. *Cuming*.

## 8. CYRENA INQUINATA.

C. testa orbiculato-trigona, turgida, inflata, subcordiformi, inæquilaterali, epidermide squalide fusca, fuliginosa densè irregulariter lamellosa vestita; umbonibus tumidis profundè erosis; margine superiore antico declivi, rectilineo, postico convexiusculo, inferiore subsemicirculari; valvis solidiusculis intus albis; cardine angusto, arcuato, tridentato; dentibus inæqualibus, brevibus, obliquis, parallelis, angustis, parum prominentibus, duobus bifidis; dentibus lateralibus minimis, brevibus, antico prominentiore; ligamento brevi, partim infosso; impressione pallii prope marginem decurrente.

*Cyrena inquinata*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* In fluviis Chinensibus.

## 9. CYRENA CONJUNCTA.

C. testa orbiculato-trigona, crassa, solida, ventricosa, subæquilaterali, utroque latere obtusa, rotundata, infernè regulariter arcuata, margine antero-supiore declivi, rectilineo, postico convexo, epidermide viridi-fuscescente, transversim regulariter tenue lamellosa; umbonibus tumidis, obliquis, brevibus, obtusis, erosis; ligamento brevi, angusto, immerso; valvis intus albis; dentibus cardinalibus tribus inæqualibus, postico valvæ dextræ latiore, inæqualiter bifido, mediano eminentiore, acuto, profundè bilobato; dentibus lateralibus parvis, distantibus, antico eminentiore, conico, compresso.

*Cyrena conjuncta*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* — ?

## 10. CYRENA LAUTA.

C. testa ovato-transversa, subtrigona, inæquilaterali, supernè infernèque convexiuscula, posticè subtruncata, anticè valde declivi, rectilinea, crassa, solida, in medio convexa; epidermide fusca, nitida, tenue irregulariter striata; umbonibus depressis, brevibus, apice acutis, approximatis, sæpius erosis; lamina cardinali lata, dentibus cardinalibus tribus obliquis, angustis, elongatis, approximatis, ferè parallelis, supernè canaliculatis, antico valvæ dextræ dimidia parte brevior; dentibus lateralibus subæqualibus, postico valde remoto.

*Cyrena lauta*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* —?

## 11. CYRENA SIMILIS.

C. testa ovato-trigona, oblonga, inæquilaterali, in medio tumida, transversim distanter striata, epidermide fuscescente, ferruginea nitente vestita; umbonibus minimis decorticatis; latere antico brevi, rotundato, obtuso, latere postico supernè convexiusculo, declivi, sensim attenuato, extremitate breviter subtruncato; dentibus tribus, primariis duobus subæqualibus apice inæqualiter bifidis; dentibus lateralibus minimis, antico valvæ sinistræ conico, depressiusculo, postico longiore.

*Cyrena oblonga*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* Manilla. Coll. Cuming.

## 12. CYRENA AFFINIS.

C. testa oviformi, ovato-transversa, inæquilaterali, ventricosa, crassa, solida, epidermide tenui, fusco-ochracea lævigata induta, transversim inæqualiter striata, subcontabulata; umbonibus minimis, depressis, integris, vix prominentibus, latere antico brevi, latè rotundato, postico attenuato, obtuso; cardine angusto, dentibus tribus angustis, duobus majoribus profundè canaliculatis; dentibus lateralibus æqualibus, antico acutiusculo, postico valde remoto.

*Cyrena affinis*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* Australia (*Cuming*). Coll. Cuming.

## 13. CYRENA OVIFORMIS.

C. testa ovato-transversa, crassa, solida, turgida, inæquilaterali, transversim irregulariter incrementis striata; area lunulaque lævigatis, epidermide tenui, brunnea vel flavescente vestita; anticè brevi, declivi, obtusa, posticè magis attenuata; latere



superiore postico convexiusculo; umbonibus brevibus, depressis, apice acuminatis, sæpius erosis; ligamento angusto, elongato, vix immerso; valvis profundis, intus albis; cardine angusto, arcuato, inæqualiter tridentato; dentibus divaricatis, duobus in utraque valva inæqualiter apice bilobatis; dente laterali antico conico, crasso, prominenti, compresso, dente postico longiore, angustiore.

*Cyrena oviformis*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* Insula Basilan Philippinarum; Portus Essingtonensis. Coll. Cuming.

b. *Testa ovata.*

14. *CYRENA MACTROIDES.*

C. testa ovato-transversa, depressa, inæquilaterali, epidermide viridi-glaescente et transversim striato-laminata vestita, posticè lamellis appressis imbricatis; umbonibus brevibus, obliquis, approximatis, integris; latere antico brevi, latè obtuso, postico supernè declivi, attenuato, subangulato; cardine angusto, dentibus cardinalibus compressis, majoribus apice profundè furcatis; lateralibus compressis, brevibus, in fossulis angustis profundisque valvulæ dextræ receptis; ligamento angusto, tenui, immerso.

*Cyrena mactroides*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* — ? Coll. Cuming.

15. *CYRENA VENTRICOSA.*

C. testa ovato-transversa, subtrigona, inæquilaterali, in senioribus crassa, solida, ponderosa, in medio turgida, epidermide squallide fusciscente aut rubiginosa, tenui, infernè posticèque breviter lamellosa et atrata vestita, intus candidissima, anticè supernè arcuato-declivi, obtusa, posticè sensim attenuata, truncata; margine superiore dorsali rectilineo, declivi; umbonibus parvis, parum obliquis; cardine angusto, tridentato, dentibus inæqualibus majoribus bifidis subparallelis; dentibus lateralibus crassis, compressiusculis, postico paulo longiore; ligamento angusto, partim immerso; area posticali planata.

*Cyrena ventricosa*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* Insulæ Philippinenses; Australia. Coll. Cuming.

16. *CYRENA GALATHEÆ.*

C. testa cordato-trigona, inæquilaterali, turgida, concentricè striata, posticè longiore, truncata, anticè et infernè angulata;

umbonibus distantibus, prominentibus; lunula rhomboidali, medio carinata; area lanceolata, convexa; ligamento tumido, longiore, valvis intus albis, cardine forniceque flavescentibus; epidermide nigrescente, anticè obsoletè radiata; dentibus lateralibus brevibus, antico conico intrante, postico oblongo.

*Cyrena Galatheæ*, *Mörch, Cat. Conch. Kierulf.* p. 32. t. 2; *Zeitsch. für Malac.* no. 8. p. 128.

*Hab.* In insula Nicobar, fluv. Galatheæ.

#### 17. CYRENA CYPRINOIDES.

*C.* testa magna, turgida, cordata, inæquilaterali, transversim striata; epidermide viridi, anticè posticèque fuscrescente; cardine angusto; dentibus lateralibus brevibus.

*Cyrena cyprinodes*, *Quoy. & Gaim. Voy. de l'Astrol. Moll.* pl. 82. f. 1, 2, 3 (non Gray).

*Hanley, Descr. Cat.* p. 93; *Wood, Ind. Test. Suppl.* 2. pl. 14. f. 54.

*Hab.* In aquis paludosis, stagnantibus, Novæ Guineæ (*Quoy*).

#### 18. CYRENA DIVARICATA.

B.M.

*C.* testa ovato-subcirculari, inæquilaterali, tumida, crassa, solida, epidermide fusco-nigrescente vestita, transversim inæqualiter obsoletè striata, rugis undulatis, irregularibus, in latere postico divergentibus; umbonibus obliquis, profundè erosis; latere antico brevior, supernè recto, declivi, in medio attenuato, subangulato, latere postico lato, dilatato, obtusè subtruncato; lamina cardinali lata, plana; dentibus primariis tribus, inæqualibus, angustissimis, in valva sinistra duobus latis valde pediculatis, in valva dextra profundè canaliculatis; dentibus lateralibus minimis, antico conico, acuto, postico oblongo, angusto.

*Cyrena divaricata*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* Nova Guinea.

#### 19. CYRENA PALLIDA.

B.M.

*C.* testa orbiculato-trigona, magna, solida, in medio convexa, inæquilaterali, anticè posticèque declivi, rectilinea, extremitate posticali attenuata, brevi, truncata, epidermide tenui, luteo-flavescente latè striata, vestita; umbonibus parvis obtusis; area posticali plana, angulo obtusissimo circumscripta; ligamento brevi, angusto, partim immerso; valvis solidis, intus candidissimis, cardine angusto tridentato, dentibus angustis,

duobus in utraque valva bifidis ; dente laterali antico, crasso, conico, compresso, posticali elongato, compresso.

*Cyrena pallida*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* — ?

## 20. CYRENA ZEYLANICA.

C. testa ovato-transversa, inæquilaterali, tumida, epidermide transversim striata olivaceo-viridi vestita ; anticè posticèque æqualiter declivi, extremitatibus rotundata, infernè convexiuscula ; umbonibus parum obliquis, erosis ; intus alba ; cardine angusto, tridentato, dentibus inæqualibus subparallelis, mediano et posticali valvæ dextræ, antico et mediano valvæ sinistræ apice bifidis ; dentibus lateralibus brevibus, simplicibus, a cardine parum remotis.

*Rumph.* xliii. F. H ?

*Cyclas Ceylanica*, *Blainv. Dict. Sci. Nat.* xii. 279.

*Venus Ceylanica*, *Chemn. Conch.* vi. 333. t. 32. f. 336.

*Venus coaxans*, *Gmel.* p. 3278. no. 41.

*Encycl.* p. 302. f. 4. a, b.

*Desh. Ency. Méth. Vers*, ii. 49. no. 8.

*Blainv. Malac.* pl. 73. f. 2.

*Mousson, Moll. Java*, p. 89. no. 5. pl. 13.

*Hab.* In fluviis insulæ Zeylanicæ atque Javanicæ.

## 21. CYRENA DECIPIENS.

C. testa ovato-subtrigona, tumida, inæquilaterali, parum crassa, epidermide viridi, lamellis transversis distantibus crispis instructa vestita, lamellis posticè multo numerosioribus appressis erectis ; umbonibus minimis decorticatis, vix obliquis ; latere antico brevior, supernè convexiusculo, declivi, infernè obtuso, postico rotundato ; valvis intus albis ; cardine angusto, tridentato, dentibus majoribus profundè furcatis, lateralibus angustis, compressis, antico valvæ sinistræ furcato, fossula valvæ dextræ anticè marginata.

*Cyrena decipiens*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* — ? Coll. Cuming.

## 22. CYRENA SUBLOBATA.

C. testa ovato-transversa, subquadrangulari, valde inæquilaterali, tumidiuscula, epidermide viridi-nigrescente, transversim striata et laminosa vestita ; laminis crispis infernè posticèque numerosioribus ; latere antico brevissimo, declivi, ferè rectilineo, infernè obtuso ; margine superiore et inferiore subparallelis,

æqualiter convexiusculis, latere postico latè truncato, sulco profundo flexuraque distincto quasi sublobato; cardine angusto, dentibus inæqualibus tribus, valde obliquis, in valva sinistra angustioribus, in dextra validioribus, apice profundè et inæqualiter bilobatis; dente laterali antico conico acuto, postico elongato compresso, extremitate postico remoto.

*Cyrena sublobata*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* — ? Coll. Cuming.

### 23. CYRENA SINUOSA.

B.M.

C. testa ovato-rotundata, tumida, cordiformi, solida, valde inæquilaterali, epidermide fusco-fuliginosa, transversim tenue lamellosa vestita; latere antico brevi, rotundato, postico subtruncato, latere supero-posticali sulco profundo sinuoso decurrente separato; umbonibus tumidis, brevibus, sæpius erosus; ligamento angusto, partim infosso; valvis intus albis, cardine crasso, utroque latere tridentato, dentibus obliquis, mediano et postico dente valvæ dextræ bifidis; dentibus lateralibus brevibus, antico crasso, conico, apice acuto.

*Cyrena sinuosa*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* In flumine Panimbang insulæ Javanicæ.

### 24. CYRENA IMPRESSA.

B.M.

C. testa ovato-suborbiculari, obscurè subquadrangulari, valde inæquilaterali, turgida, mediocriter crassa, epidermide viridiglauescente transversim tenuissime laminata, posticè infernèque atrovirente lamellis sæpius crispis; umbonibus minimis, obliquè anticè curvatis, decorticatis, acutis, parum prominentibus; latere antico declivi, rectilineo, infernè obtuso; margine superiore convexiusculo, postico latere subtruncato, sulco impresso, ab umbone descendente distincto; lamina cardinali lata, dentibus primariis tribus angustis, elongatis, prominentibus, apice profundè fureatis; dente laterali antico conico, brevi, compresso, postico longiore.

*Cyrena impressa*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* Insula Java (*Jukes*); insulæ Philippinenses (*Cuming*); Australia. Coll. Cuming.

### 25. CYRENA COMPTA.

C. testa ovato-trigona, ventricosiuscula, subæquilaterali, anticè et posticè ferè æqualiter declivi, anticè paulo breviori, rotundata, postica obtusa, paululum attenuata, epidermide tenui, nitente, flavido-virescente tenue striata vestita, latere postico

sulco obsoletissimo notato; umbonibus minimis, obtusis, decorticatis; cardine angusto tridentato, dentibus angustis, basi paulo angustioribus apice profundè bilobatis, lateralibus compressis, antico prominenti acuto, postico longiore.

*Cyrena compta*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* —? Coll. Cuming.

## 26. CYRENA NITIDA.

C. testa orbiculato-trigona, depressiuscula, inæquilaterali, epidermide prasina, nitente lævigata vestita; latere antico obtuso, brevior, postico magis attenuato, flexura decurrente, obliqua, sinuato, margine superiore postico convexo, inferiore regulariter arcuato; umbonibus parvis, depressis, obliquis, approximatis; ligamento elongato, partim infosso; valvis crassis, solidis, intus candidissimis; cardine angusto, inæqualiter tridentato; dentibus obliquis latis in valva dextra, angustis in altera; dente laterali postico compresso, conico, acuto, antico breviori.

*Cyrena nitida*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* —? Coll. Cuming.

## 27. CYRENA PAPUA.

C. testa suborbiculari, lenticulari, depressiuscula, subæquilaterali, margine dorsali utroque æqualiter declivi et arcuato, inferiore valde arcuato; umbonibus parvis, parum prominentibus, vix obliquis, integris; epidermide viridi-glauescente regulariter transversim striata, posticè subsquamosa; valvis intus albis; cardine angusto, tridentato, dente mediano apice bifido, basi coarctato, angustiore; dentibus lateralibus parvis, simplicibus, posteriore angustiore.

*Cyrena Papua*, *Lesson, Voy. de la Coq. Zool.* p. 428; *Mag. de Zool.* pl. 11.

*Hab.* Nova Guinea, et insula Waigiou dicta.

## 28. CYRENA INCERTA.

C. testa ovato-suborbiculari, ventricosa, inæquilaterali, parum crassa, transversim irregulariter striata, striis tenuibus profundis; epidermide squalide fusciscente posticè nigrescente et nitente vestita; umbonibus minimis, integris, parum obliquis valde approximatis, lunula in medio prominente, latere antico brevi, latè rotundato, postico declivi, attenuato, extremitate subtruncato; cardine angusto, tridentato, dentibus minimis,



angustis, inæqualibus, majoribus profundè furcatis, lateralibus inæqualibus, compressis, antico majore.

*Cyrena incerta*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* — ? *Coll. Cuming.*

## 29. CYRENA ESSINGTONENSIS.

B.M.

*C.* testa ovato-suborbiculari, subtriangulari, inæquilaterali, transversim striata, striis inæqualibus, epidermide viridi-fuscescente, posticè nigrescente vestita; antico latere brevior rotundato, supernè leviter arcuato, declivi, postico paululum angustiore; cardine angusto, inæqualiter tridentato, dentibus prominentibus apice profundè fissis, basi coarctatis, subpediculatis, dentibus lateralibus parvis, antico majore conico, fossula valvulæ dextræ profunda, supernè canaliculata, dente cardinali ejusdem valvulæ obliquè prominente.

*Cyrena Essingtonensis*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* Portus Essingtoniensis (*Cuming*). *Coll. Cuming.*

## 30. CYRENA JUKESEI.

B.M.

*C.* testa ovato-trigona, turgidula, inæquilaterali, transversim irregulariter striata, epidermide nitida flavicante pallide virescente et brevissime laminata vestita, latere antico brevi, supernè ferè rectilineo, declivi, postico rotundato, supernè convexiusculo; valvis intus albis, umbonibus minimis, brevibus, anticè obliquatis; cardine angusto tridentato, dentibus subæqualibus, duobus majoribus apice bifidis, angustis, lateralibus subæqualibus, conicis, compressis.

*Cyrena Jukesei*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* Caput Upstart dictum Australiæ septentrionalis.

### c. *Testa suborbicularis.*

## 31. CYRENA SUBORBICULARIS.

B.M.

*C.* testa suborbiculari, valde inæquilaterali, alba, sub epidermide viridi regulariter concentricè lamellata, apicibus prominulis, integris; margine dorsali utroque rotundato, postico anticum sesquies æquante, ventrali valde arcuato; dentibus cardinalibus ternis, binis bifidis; lateralibus brevibus, lævibus. (*Phil.*)

*Cyrena suborbicularis*, *Phil. Abbild. Conch.* p. 7. pl. 2. f. 1.

*Hab.* Manilla.

## 32. CYRENA PLACIDA.

C. testa suborbiculari, sublenticulari, inæquilaterali, in medio turgidula, epidermide squalide fuscescente tenuissime striata vestita; umbonibus brevibus, erosio vix prominentibus; latere antico breviori latè rotundato, postico truncato angulo decurrente obtusissimo separato; cardine lato, dentibus inæqualibus angustis, elongatis, subparallelis, depressis, apice latè canaliculatis; dentibus lateralibus subæqualibus depressis compressis, postico minore.

*Cyrena placida*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* — ? Coll. Cuming.

## 33. CYRENA VANIKORENSIS.

C. testa subrotundata, depressa, solidula, irregulariter striata, intus alba, extus epidermide fusca vestita; umbonibus minimis; cardine angusto, tridentato, dentibus lateralibus angustis, brevibus.

*Cyrena Vanikorensis*, *Quoy & Gaim. Voy. de l'Astrol. Moll.* pl. 82. f. 4, 5.

*Hanley, Descr. Cat.* p. 93; in *Wood, Ind. Test. Suppl.* 2. pl. 14. f. 59.

*Hab.* Insula Vanikorensis.

## 34. CYRENA DURA.

C. testa ovato-subrotundata, ventricosa, inæquilaterali, crassa, solida, ponderosa, transversim irregulariter striato-rugosa, epidermide squalide fuscescente ochracea, impolita; umbonibus minimis depressis, obliquis, decorticatis; lunula indistincta, in medio producta, latere antico latè rotundato, postico æqualiter rotundato obscurè subtruncato, angulo obtusissimo decurrente notato; cardine lato, solido, dentibus tribus primariis inæqualibus crassis apice emarginatis; dente laterali antico brevi conico acuto compressiusculo, cardine approximato, postico oblongo depresso, remoto; linea pallii sub impressione musculari postica breviter sinuosa.

*Cyrena dura*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* — ? Coll. Cuming.

*B. Testa trigona, tumida, subcordiformi, epidermide nitente.*

## 35. CYRENA PLACENS.

C. testa suborbiculari, subventricosa, inæquilaterali, nitida, concentricè sulcato-striata, epidermide virido-flavescente induta

margine ventrali convexo, dorsali utrinque declivi et convexiusculo; natibus erosis; ligamento fulvo, depresso, angusto; lunula nulla; superficie interna purpurea; dentibus lateralibus minutissime rugulosis haud autem crenatis, antico brevi et subapproximato; sinu pallii angustissimo, satis profundo arcuato.

*Cyrena placens*, *Hanley, Proc. Zool. Soc.* 1844, p. 160; in *Wood, Ind. Test. Suppl.* 2. pl. 14. f. 52.

*Hab.* Honduras.

### 36. CYRENA TRIANGULA.

*C. testa* trigona, subæquilaterali, sub epidermide fusca læviuscula, alba ad utrumque latus violacea; umbonibus prominulis, integris; margine dorsali utroque æque ac ventrali parum arcuatis; dentibus cardinalibus tribus, lateralibus brevibus, lævibus; pagina interna utroque latere violacea; sinu pallii angustissimo, triangulari, acutissimo, profundè intrante.

*Cyrena triangula*, *Phil. Abbild. Conch.* p. 8. no. 3. pl. 2. f. 3.

*Hab.* — ?

### 37. CYRENA FONTAINEI.

B.M.

*C. testa* ovato-trigona, compressa, concentricè striata, brunneo-viridescente, intus violacea; latere antico brevi, subrotundato; latere postico producto, angulato, subsinuato; dentibus cardinalibus tribus; dentibus lateralibus erectis, simplicibus, angustis, posticali paulo longiore; nymphis elongatis, angustis; sinu pallii angustissimo cuneiformi.

*Cyclas Fontainei*, *D'Orb. Voy. en Amér.* p. 569. pl. 83. f. 14, 15.

*Hab.* America centralis.

### 38. CYRENA ARCTATA.

*C. testa* trigona, inflata, cordiformi, solidissima, valde inæquilaterali, transversim regulariter striata, epidermide atro-virente, nitente, vestita, intus alba, sæpius impressionibus muscularibus violaceis; umbonibus magnis turgidis, obliquis; latere antico brevi, declivi, rotundato, postico attenuato, subtruncato, angulo decurrente obtuso circumscripto, area lunulaque lævigatis; cardine angusto, brevi, crasso, dentibus primariis tribus inæqualibus parvis, approximatis, simplicibus; dentibus lateralibus crassis, subæqualibus, prominentibus.

*Cyrena arctata*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* Maracaibo. Coll. Cuming.

## 39. CYRENA SOLIDA.

B.M.

C. testa cordata, trigona, turgida, solidissima, inæquilaterali; striis transversis confertis; epidermide nigricante; dentibus lateralibus abbreviatis, integris.

*Cyrena solida*, *Phil. Abbild. Conch.* p. 78. pl. 1. f. 9.

*Hab.* Provincia Nicaraguensis Americæ meridionalis.

## 40. CYRENA RADIATA.

B.M.

C. testa rotundato-cordata, crassa, solida, inæquilaterali, tumida, subnitida, concentricè et subimbricatim sulcata; epidermide olivaceo-fuscescente, et marginem convexum aut subarcuatum versus, luteo-virescente radiisque nigrescentibus ornata; margine dorsali postico declivi, convexiusculo; lunula nulla; natibus acutis, incurvatis, integris; ligamento parum prominente; superficie interna purpurea; dentibus lateralibus distinctis, brevibus, minutissime rugulosis (haud crenatis autem), antico approximato.

*Cyrena radiata*, *Hanley, Proc. Zool. Soc.* 1844, p. 159.

*Hab.* In fluviis et stagnis Americæ centralis.

## 41. CYRENA CAROLINIENSIS.

B.M.

C. testa orbiculato-trigona, parum inæquilaterali, turgida, alba, tenui; epidermide olivaceo-viridi vel fuscescente concentricè tenue lamellata; umbonibus sæpius erosio, obtusis, prominulis, vix obliquis; marginibus dorsali antico et postico atque ventrali ferè æqualiter convexis; cardine angusto, utrinque tridentato; dentibus lateralibus brevibus obtusis, remotis, lævibus; sinu pallii angustissimo, acutissimo, obliquè ascendente.

*Cyclas Caroliniana*, *Bosc, Hist. nat. des Coq.* ii. pl. 18. f. 4.

*Blainv. Dict. Sc. Nat.* xii. 274.

*Hanley, Descr. Cat.* p. 92; in *Wood, Ind. Test. Suppl.* 2. pl. 14. f. 56.

*DeKay, Zool. de New York*, v. 226. pl. 25. f. 266.

*Cyrena Carolinensis*, *Lamk. An. s. Vert.* v. 553. no. 9.

*Say, Amer. Cycl.* pl. 62.

*Polymeroda Caroliniana*, *Rafin. Ann. Gen. Sci. Nat. Brux.* 1820, v. 319.

*Hab.* America septentrionalis in fluminibus Carolinæ.

II. *Cyrenæ anomales.*a. *Testa ovata, turgidula.*

## 42. CYRENA ÆQUILATERALIS.

B.M.

C. testa trigona, depressiuscula, æquilaterali; lateribus subæqualibus; epidermide squalide fusca vel griseo-fuscescente, striata, posticè squamosa; latere antico paulo brevior et posticali rectilineis, inferiore parum arcuato; umbonibus parvis, depressis, oppositis, approximatis; latere postico plano, angulo obtusissimo circumdato; valvis tenuibus, intus albis, in fornice pallide aurantiis; cardine angustissimo, tridentato; dentibus parvis, inæqualibus, divaricatis, duobus in valvula sinistra bifidis; dentibus lateralibus parvis, remotis; fossula valvæ sinistræ anguste canaliculata usque ad basin dentis antici.

*Cyrena æquilateralis*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* In rivulis circa Cayanam Americæ meridionalis.

## 43. CYRENA SORDIDA.

C. testa suborbiculari, crassa, subinæquilaterali, ventricosa aut tumida; epidermide olivaceo-fuscescente et marginem ventralem convexum versus, luteo-virescente, concentricè rugulosa; margine dorsali postico, convexiusculo, declivi; natibus erosis, satis prominentibus; ligamento subinfosso; lunula nulla; superficie interna albida; dentibus lateralibus brevibus obtusis, antico magis approximato.

*Cyrena sordida*, *Hanley, Proc. Zool. Soc.* 1844, p. 159; in *Wood, Ind. Test. Suppl.* 2. pl. 14. f. 51.

*Hab.* America septentrionalis (*Hanley*).

## 44. CYRENA INSIGNIS.

C. testa ovato-cordiformi, turgida, crassiuscula, inæquilaterali, epidermide fusco-virente multilaminosa vestita, lamellis crispis multo numerosioribus ad margines; umbonibus magnis, tumidis, decorticatis, parum obliquis, oppositis; latere antico paulo brevior, latè rotundato, postico lato, truncato, obtusè angulato; cardine angusto, crasso, tridentato; dentibus inæqualibus, divergentibus; lateralibus inæqualibus, antico majore, conico, basi ovali, postico remoto angusto; valvis intus albis, latere postico violaceo; sinu pallii angustissimo, acutissimo, profundo, obliquè ad umbones ascendente.

*Cyrena* (anomala) *insignis*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* Sinus Californiensis. Coll. Cuming.



## 45. CYRENA SUBQUADRATA.

C. testa ovato-subquadrangulati, transversa, inæquilaterali, tumida, solidiuscula, transversim tenuè et irregulariter striata, striis obsoletis; epidermide viridi-flavescente, ad margines multilaminosa vestita; umbonibus depressiusculis, decorticatis, parum obliquis; latere antico supernè parum dilatato, anticè obliquè subtruncato, posticè supernè leviter arcuato, obliquè latè truncato, infernè angulato, cardine satis lato, tridentato, dentibus angustis, approximatis, divergentibus; lateralibus inæqualibus, antico crasso, conico, brevi, postico angustiore remoto; valvis intus albis, in margine postico violaceis.

*Cyrena subquadrata*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* California. Coll. Cuming.

## 46. CYRENA NITIDULA.

C. testa ovato-transversa, turgidula, tenui, fragili, inæquilaterali, transversim tenuè et obsoletè striata, epidermide viridi subnitente tenuissimè laminosa vestita; umbonibus tumidiusculis, acutis, oppositis, latere antico paulo brevior obtuso, postico supernè declivi, parum attenuato, rotundato vel subtruncato; cardine angustissimo, dentibus primariis tribus inæqualibus, angustissimis, divergentibus, majoribus apice anguste fissis, lateralibus subæqualibus, distantibus, minimis, in valva dextra duplicatis, antico crassiore; sinu pallii brevi, triangulari, acuto; valvis intus pallide violaceis, ad margines saturatioribus.

*Cyrena (anomala) nitidula*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* —? Coll. Cuming.

## 47. CYRENA NOTABILIS.

C. testa ovato-transversa, subquadrilateralis, depressiuscula, inæquilaterali, transversim tenuè et irregulariter striata, albo-lutescente, sub epidermide tenui, fuscescente; latere antico brevi, obtuso, postico latè truncato, superiore et inferiore rectis, parallelis; umbonibus obliquis integris, approximatis; ligamento elongato, cylindræo producto; valvis intus albo-lutescentibus, in latere postico macula intensè violacea, intus extusque notatis; cardine tridentato, dentibus inæqualibus, obliquis, divaricatis, dente laterali antico parvo, conico, acuminato, postico obsoleto remotissimo.

*Cyrena notabilis*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* Ad oras Peruvianas ostia fluviorum.

## 48. CYRENA OBLONGA.

C. testa ovato-transversa, turgidula, tenui, inæquilaterali, posticè subangulata; intus albo-cærulea, extus fusca, tenuè striata; cardine angusto, tridentato; dente laterali antico obsoleto, posticali producto.

*Cyrena oblonga*, Quoy & Gaim. *Voy. de l'Astr. Moll.* pl. 82. f. 6, 7, 8.  
Hanley, *Descr. Cat.* p. 94; in Wood, *Ind. Test. Suppl.* 2.  
pl. 14. f. 53.

*Hab.* Insula Vanikorensis.

## 49. CYRENA FLORIDANA.

C. testa ovato-trigona, transversa, turgida, inæquilaterali, tenui, fragili, substriata, epidermide squalide fusco-virescente vestita; umbonibus tumidis, acutis, oppositis, decorticatis, latere antico brevior, paulisper attenuato, obtuso, latere postico subangulato, subtruncato; cardine angusto, inæqualiter tridentato, dentibus majoribus binis apice bilobatis, lateralibus minimis inæqualibus elongatis, antico obtusior, postico remoto; impressione pallii posticè sinuosa, sinu angusto triangulari, apice acutissimo; valvis intus pallide violaceis.

*Cyrena Floridana*, Conrad, *Proc. Acad. Nat. Sc. of Phil.* iii. 1846, p. 23. pl. 1. f. 1.

*Hab.* Mazatlan et ostia fluviorum Floridarum.

b. *Testa tenuis, rotundata, cordiformis.*

## 50. CYRENA ANOMALA.

C. testa trigona, valde inflata, cordiformi, valde inæquilaterali, tenui, fragili, transversim tenuè et obsoletè striata, epidermide viridi tenuè striata induta, striis ad margines et posticè laminoso-crispis; umbonibus magnis, acutis, revolutis, oppositis, violaceis; latere antico brevior, latè semicirculari, postico attenuato, conico, rostrato, acuminato; area plana angulo obtusissimo circumscripta; cardine angustissimo, dentibus tribus primariis minimis, approximatis, subæqualibus, divergentibus, mediano profundè fisso; dentibus lateralibus subæqualibus, distantibus, compressis, laminatis, in valva dextra duplicatis, antico sulco profundo margine separato.

*Cyrena anomala*, Desh. *Proc. Zool. Soc.* 1854.

*Hab.* Sinus Caraccasensis et ad oras Peruvianas. Coll. Cum.

## 51. CYRENA CUMINGII.

C. testa ovato-subtrigona, inæquilaterali, tumida, cordiformi,

satis solida, transversim inæqualiter tenuissimè striata, epidermide fusco-virescente, infernè lamellosa vestita; umbonibus magnis, prominentibus, oppositis, decorticatis, approximatis, latere antico brevi, latè rotundato, postico attenuato, supernè declivi, extremitate truncato, angulo obtuso decurrente circumscripto; cardine angusto, in medio paulo latiore; dentibus tribus primariis inæqualibus approximatis angustis, apice profundè bifidis, lateralibus magnis æquidistantibus, antico paulo majore, conico, acuto; valvis intus candidissimis.

*Cyrena (anomala) Cumingii*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* America centralis. Coll. Cuming.

## 52. CYRENA ISOCARDIOIDES.

C. testa orbiculato-subtrigona, inæquilaterali, turgida, cordiformi, tenui, fragili, tenuissimè transversim inæqualiter striata, epidermide olivaceo-nigrozonulata, vestita; umbonibus magnis, subinvolutis, oppositis, atro-violaceis; latere antico regulariter latè semicirculari, postico supernè declivi, attenuato, subrostrato; area plana, ovato-lanceolata, angulo lato obtuso decurrente circumscripta; cardine angustissimo, dentibus primariis tribus minutissimis, approximatis, subæqualibus, duobus anticis parallelis, postico divaricato; dentibus lateralibus minimis, subæquidistantibus, margine sulco angusto profundo separatis, in valva dextra duplicatis; pallii impressione margine inferiore proxima; valvis intus albis, utroque latere violaceo maculatis.

*Cyrena (anomala) Isocardioides*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* Columbia occidentalis. Coll. Cuming.

## 53. CYRENA MARITIMA.

C. testa orbiculato-cordiformi, subæquilaterali, turgida, tenui, transversim irregulariter et densè striata, epidermide viridifuscescente induta; umbonibus magnis, parum obliquis, approximatis, acutis, lævigatis, latere antico supernè declivi, convexiusculo, in medio parumper attenuato et obtuso, postico breve truncato; area magna convexa, ovata, angulo obtuso decurrente circumdata; cardine angusto; dentibus primariis tribus, minimis, subæqualibus approximatis, apice bifidis divergentibus, lateralibus æqualiter remotis, in valva dextra duplicatis, antico usque ad cardinem canaliculato.

*Cyrena maritima*, *Adams, Panama Shells.*

*Cyrena (anomala) maritima*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* Panama. Coll. Cuming.

## 54. CYRENA CORDIFORMIS.

C. testa cordiformi, inflata, concentricè tenuè striato-sulcata, sub epidermide obscurè viridi-alba; umbonibus purpureis, prominentibus, anticè reflexis, et conniventibus; area purpureo bizonata, externè angulo circumdata, basi parum emarginata; lunula obsoleta; dentibus cardinalibus tribus divergentibus, duobus anterioribus parum emarginatis; dente laterali angusto, robusto, cardinalibus approximato; postico lamelliformi, remoto.

*Cyrena cordiformis*, *Recluz, Journ. de Conch.* 1853, p. 251. pl. 7. f. 9.

*Cyrena (anomala) cordiformis*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* — ?

## 55. CYRENA PERUVIANA.

C. testa orbiculato-trigona, turgida, cordiformi, subæquilaterali, tenui, fragili, transversim tenuissimè striato-punctata; umbonibus magnis, prominentibus, oppositis, integris; latere antico paulo breviorè, latè semicirculari, postico declivi, attenuato, acuminato; cardine angustissimo, dentibus tribus primariis subæqualibus, minimis, compressis, divergentibus, majoribus apice profundè furcatis, lateralibus angustissimis, laminatis, æqualibus, distantibus, margine sulco angusto profundè separatis; valvis intus albo-flavis, posticè squalide violaceis.

*Cyrena (anomala) Peruviana*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* Tumbez in littore Peruviano. Coll. Cuming.

## 56. CYRENA SALMACIDA.

C. testa inæquilaterali, ovali, anticè rotundata, latere postico productiore, subrostrato, transversim tenuiter sulcata, albescente vel carnea, stramineo vel cæruleo nebulosa; umbonibus fulvo-rubellis et fascia latè diluta concolore circumdata; cardine stricto; dentibus primariis tribus minutis; lateralibus duobus elongatis, tenuibus.

*Cyrena salmacida*, *Morelet, Test. Nov. Cub.* pt. 2. p. 26. no. 150.

*Hab.* — ?

## 57. CYRENA ANGULATA.

C. testa trigona, turgidula, æquilaterali, solidula, lævigata; epidermide squalide fuscescente vestita; umbonibus minimis, depressis, oppositis, latere antico atque postico æqualiter con-

vexiuseulis et declivibus; latere antico obtuso, subangulato, postico angulato, subrostrato; margine inferiore ventricosus; cardine angusto, dentibus primariis tribus minimis, angustis, duobus majoribus profundè apice fissis; dentibus lateralibus inæqualibus compressis, antico magno, acuto, triangulari; valvis intus albis seu roseo supernè tinctis.

*Cyrena (anomala) angulata*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* — ? *Coll. Cuming.*

### 58. CYRENA INFLATA.

B.M.

*C. testa orbiculato-subtrigona, cordiformi, inflata, inæquilaterali, tenui, transversim tenuè et inæqualiter striata, epidermide squalide fuscescente breviter laminosa vestita; umbonibus magnis, prominentibus, oppositis, approximatis; latere antico breviusculo, supernè concaviusculo, anticè producto et obtuso, latere postico latiore, obliquè truncato, angulo obtuso decurrente circumscripto; cardine angustissimo, dentibus tribus primariis inæqualibus minimis divergentibus, postico valvæ dextræ majori profundè fisso, dentibus lateralibus subæqualibus, in valva dextra duplicatis, antico paulo crassiore.*

*Cyrena (anomala) inflata*, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* Panama. *Coll. Cuming.*

### III. *Species incertæ.*

### 59. CYRENA MEXICANA.

*C. testa elliptica, ventricosa, utrinque rotundata, anticè brevior; dentibus parvis, obtusis.*

*Cyrena Mexicana*, *Brod. & Sow. Zool. Journ.* iv. 364.

*Hab.* Prope Mexicum.

### 60. CYRENA DEPRESSA.

*C. testa lenticulari-trigona, compressa, sulcis doliaribus cincta, albida; epidermide fulva; natibus decorticatis.*

*Encycl.* pl. 302. f. 3.

An *Venus borealis*? *Gmel.* p. 3285.

*Chemn. Conch.* t. 39. f. 412-414?

*Cyrena depressa*, *Desh. Lamk. An. s. Vert.* ed. 2. vi. 275. no. 8.

*Hab.* — ?



B. *Dentes cardinales* 2 · 2, *divergentes, dentes laterales compressi, laeves. Testa tenuis. Sphæriina.*

### Genus 5. SPHÆRIUM.

Animal ovato-transversum, æquilaterale, crassum; pallium ad margines simplex, anticè infernèque apertum, posticè clausum, tracheis binis, brevibus, simplicibus, basi connatis, apice divaricatis terminatum; appendices labiales breves, angustæ. Pes elongatus, angustus, gracilis, in medio subangulatus. Branchiæ latæ, subæquales, posticè conjunctæ.

Testa tenui, ovato-transversa, convexa, subæquilaterali; cardo angustus, in plerisque utroque latere bidentatus; dentibus cardinalibus brevibus; dentibus lateralibus elongatis, compressis, lamelliformibus; impressio pallii simplex; ligamentum externum elongatum, angustum.

Sphærium, *Scopoli* (1777), *Introd. ad Hist. Nat.* p. 397.

*Gray* (1847), *Proc. Zool. Soc.* p. 184; (1851) *Ann. Nat. Hist.* xi. 39.

*Cyclas*, *Brug.* (1792) *Enc. Méth.* pl. 301.

*Lamk.* (1799) *Soc. d'Hist. Nat. de Paris.* p. 84; (1801)

*Syst. An. s. Vert.* p. 123; (1818) *An. s. Vert.* v. 559.

*Gray* (1840) in *Turt. Conch.* ed. 2. p. 279.

*Cornea*, *Megerle* (1811), *Entwurf.* p. 56.

*Corneocyclas*, *Féruss.* (1818) in *Blainv. Dict. Sc. Nat.* xii. 277.

*Phymisoda* or *Phymeroda* (lacustris), *Rafin.* (1820) *Ann. Gen. Sci. Nat. Brux.* 1820, v. 319.

*Amisoda* or *Ameroda* (similis), *Rafin.* (1820) *Ann. Gen. Sci. Nat. Brux.* 1820, v. 310.

*Nux*, *Humphrey* (1796), *Mus. Calon. Cat.* p. 59.

*Tellina* (sp.), *Linn.* (1758) *Syst. Nat.* ed. 10. p. 678; (1767) ed. 12. p. 1120.

*Cardium* (sp.), *Da Costa* (1778), *Conch. Brit.* p. 173.

### 1. *Species Europæanæ.*

#### 1. SPHÆRIUM RIVICOLA.

B.M.

S. testa subovali, ventricosa, solidiuscula, eleganter striata, striis elevatis, confertis; fusco-virescente, fasciis aliquibus saturatioribus; margine inferiore sæpius lutescente; intus cærulescente; umbonibus tumidis, obtusis, pallidioribus; margine superiore anticè lunula, posticè fissura distinctè impressa, ligamento conspicuo.

*Tellina cornea* (var. B), *Schröt. Flussconch.* p. 189. pl. 4. f. 4.

*Mat. & Rack. Trans. Linn. Soc.* viii. 59.

*Cyclas cornea* (var. A), *Drap. Tab. des Moll.* p. 105. no. 1; *Hist. des Moll. de France*, p. 128. no. 1. pl. 10. f. 1-3.

*Cyclas rivicola*, *Leach teste Lamk. et Lamk. An. s. Vert.* v. 558. *Blainv. Dict. Sci. Nat.* xii. 279.

*Pfeiffer, Syst. Anord.* p. 121. no. 2. pl. 5. f. 3-5.

*Turt. Conch. Ins. Brit.* p. 248. no. 1. pl. 11. f. 13; *Manual*, p. 12. pl. 1. f. 1.

*Sow. Gen. of Shells, Cyclas*, f.

*Jenyns, Trans. Cambr. Phil. Soc.* iv. 294.

*Gray, Turt. Manual*, ed. 2. p. 279. no. 112. pl. 1. f. 1.

*Desh. Traité élém. de Conch.* i. 712. pl. 17. f. 8-10.

*Reeve, Conch. Syst.* i. pl. 62.

*Forbes & Hanley, Hist. of Brit. Moll.* ii. 111. pl. 37. f. 1, 2, et pl. Q. f. 1.

*Dupuy, Hist. nat. des Moll. de France*, p. 665. no. 1. pl. 29. f. 3.

Var. B. *sabulicola*, *Krynicky, Conch. Imp. Rossici*, p. 10.

*Cyclas æquata* (junior), *Sheppard MSS. teste Gray, in Turt. Man.* ed. 2. p. 280.

*Hab.* Europa; Anglia, etc.

## 2. SPHÆRIUM LACUSTRE.

B.M.

S. testa orbiculato-rhombea, subovali vel orbiculari, compressa, tenui, diaphana, tenuiter striata; cærulescenti-alba, zona marginali lutescente, apice nigricanti; natibus acutiuseculis tuberculosus, aliquantis per prominentibus, subinflexis; ligamento inconspicuo.

*Tellina, Berl. Mag.* iv. pl. 11. f. 63? (teste Müller).

*Tellina lacustris, Müll. Verm. Hist.* ii. 204. no. 388.

*Chemn. Conch.* vi. 139. pl. 13. f. 135.

*Cardium lacustre, Mont. Test. Brit.* p. 89. no. 16.

*Cyclas calyculata, Drap. Moll. terr. et fluv. de France*, p. 130. pl. 10. f. 14, 15.

*Pfeiffer, Syst. Anord.* p. 122. no. 4. pl. 5. f. 17, 18.

*Jenyns, Trans. Cambr. Phil. Soc.* iv. pt. 2. p. 298. no. 3. pl. 19. f. 1.

(ex parte), *Dupuy, Hist. nat. des Moll. de France*, p. 672. pl. 24. f. 8.

*Tellina tuberculata, Alten, Syst. Abhand.* p. 4. pl. 1. f. 1.

*Tellina tenera, Schrank in Gärtner Versuch Einer Syst.* p. 316. n. 2.

*Cyclas lacustris, Turt. Conch. Ins. Brit.* p. 249. no. 3. pl. 11. f. 18.

*Forbes & Hanley, Brit. Moll. Atlas*, pl. 37. f. 7. pl. O. f. 7.

*Tellina stagnicola, Sheppard, Trans. Linn. Soc.* xiv. pt. 1. p. 150. no. 2.

An eadem species? *Cyclas calyculata*, *Adams, Moll. of Middleburg, Amer. Journ.* p. 277. April 1841.

*Hab.* Europa; Anglia, etc.

### 3. SPHÆRIUM CONSOBRINUM.

B.M.

S. testa orbiculato-subrhombea, compressa, tenui, subinæqualiterali, pellucida, tenuiter striata, cinerea vel lutescente; latere postico latiore, subtruncato, antico rotundato; marginibus acutis; umbonibus convexis, depressiusculis.

*Cyclas lacustris*, *Draparn. (non Müll.) Hist. nat. des Moll.* p. 130. pl. 10. f. 6, 7.

*Lamk. An. s. Vert.* v. 559. no. 3.

*Pfeiffer, Syst. Anord.* p. 122. no. 3. pl. 5. f. 6, 7.

*Turt. Manual*, p. 14. no. 4. pl. 1. f. 4.

*Dupuy, Hist. nat. Moll. de France*, p. 671. no. 7. pl. 29. f. 7.

*Cyclas consobrina*, *Féruss. in Blainv. Dict. Sci. Nat.* 1818, xii. 279.

*Hab.* Europa; Anglia, etc.

### 4. SPHÆRIUM CORNEUM.

B.M.

S. testa globosa, ventricosa, tenui, tenerrime striata, virescentifusca, zona lutescente submarginali; umbonibus obtusis; dentibus cardinalibus minimis, binis in sinistra, unico in valva dextra, lateralibus elongatis; ligamento inconspicuo.

*Lister, Syn. Conch.* pl. 159. f. 14. A; *An. Angl.* p. 150. pl. 2. f. 31; *App. Hist. An. Angl.* p. 14. pl. 1. f. 5-16.

*Tellina cornea*, *Linn. Syst. Nat.* ed. 12. p. 1120. no. 72.

(ex parte), *Schröt. Flussconch.* p. 189. no. 11. pl. 4. f. 4, 5.

*Chemn. Conch.* vi. 156. pl. 13. f. 133.

*Mat. & Rack. Linn. Trans.* iii. pl. 13. f. 39, 40.

*Wood, Ind. Test.* pl. 5. f. 90; *Gen. Conch.* p. 196. no. 90. pl. 46. f. 3.

*Tellina rivalis*, *Müll. Verm. Hist.* ii. 202. no. 387; *Zool. Dan. Prodr.* p. 246. no. 2965.

*Sphærium corneum*, *Scopoli, Intr. ad Hist. Nat.* p. 397. no. 88. (1777).

*Cardium Nux*, *Da Costa, Test. Brit.* p. 173. pl. 13. f. 22.

*Nux nigella*, *Humphrey, Mus. Calonn.* p. 59. no. 1088.

*Cyclas cornea* (ex parte), *Drap. Tab. Moll.* p. 105. no. 1. var. B.

*Lamk. An. s. Vert.* v. 558. no. 2.

*Pfeiffer, Syst. Anord.* p. 120. no. 1. pl. 5. f. 1, 2.

*Turt. Conch. Ins. Brit.* p. 248. no. 2. pl. 11. f. 14; *Man. of Land & Freshw. Shells*, p. 13. no. 2. pl. 1. f. 2; ed. 2. p. 280. pl. 1. f. 2.

*Cyclas cornea* (ex parte), *Jenyns, Cambr. Phil. Soc.* iv. 295.

*Phil. Enum. Moll. Sicil.* ii. 30. no. 1.

*Forbes & Hanley, Hist. of Brit. Moll.* ii. 113. pl. 37. f. 3-6.

*Cardium corneum*, *Mont. Test. Brit.* p. 86. no. 14.

*Cardium amnicum*, *Pulteney, Cat. Dorset*, p. 31.

*Cyclas rivalis*, *Drap. Hist. des Moll.* p. 129. pl. 10. f. 4, 5.

*Dupuy, Hist. nat. Moll. de France*, p. 668. no. 4. pl. 29. f. 5.

*Tellina communis*, *Megerle in Berl. Mag.* 1811 (teste Gört.).

*Cyclas nucleus*, *Studer in Charp. Cat. des Moll. de la Suisse*, p. 25. no. 130.

*Dupuy, Hist. nat. des Moll. de France*, p. 668. pl. 29. f. 4 bis.

*Cyclas tumida*, *Ziegler MSS. et Férussac, Cat. de sa Coll.* p. 20.

*Cyclas stagnicola*, *Leach, Brit. Mus.* teste *Gray*.

*Cyclas Leachii*, *Ziegler MSS. in Villa, Disp. Syst. Conch.* p. 44.

*Cyclas plumbeus*, *Villa, loc. cit.* p. 44.

*Cyclas Scaldiana*, *Normand, Not. sur Cyclades*, p. 5. f. 1, 2.

*Dupuy, Hist. nat. Moll. de France*, p. 669. no. 5.

*Cyclas flavescens*, *Macgilliv. Moll. Anim. of Scotl.* p. 208. no. 1.

*Pisidium cornea*, *Verani, Cat. degli An. Invert.* p. 13.

*Cyclas citrina*, *Brown, Ill. Conch. G. Br.* p. 132. pl. 37. f. 37.

*Hab.* Europa; Anglia, etc.

##### 5. SPHÆRIUM RYCKHOLTII.

S. testa orbiculata, inæquilaterali, supernè inflata, infernè compressa, tenui, subtilissimè striata, griseo-glauescente, sæpe luteo-marginata; natibus elevatis; ligamento subinconspicuo, cardine arcuato; dentibus parvulis.

*Cyclas Ryckholtii*, *Normand, Notice sur quelq. Cycl.* p. 7. no. 3. f. 5, 6.

*Hab.* Circa Valentiniana.

##### 6. SPHÆRIUM TERVERIANUM.

S. testa rotundato-subrhomboidea et inflata; umbonibus elevatis subrevolutis, et calyculatis; nitidissima, ex umbonibus ad marginem inferiorem eleganter radiata.

*Cyclas Terveriana*, *Dupuy, Cat. Moll. extr. Mar. Galliæ*, no. 87; *Hist. nat. des Moll. de France*, p. 674. no. 9. pl. 29. f. 9.

*Hab.* In paludibus circa Auch.

##### 7. SPHÆRIUM STEENBUCHII.

S. testa inæquilaterali, subtrigona, anticè obtusa, ventricosa, lævi,

cinereo-lutescente; umbonibus prominentibus; sulcis incrementi 4-5.

*Cyclas Steenbuchii*, Möll. *Ind. Moll. Grænl.* p. 20.

*Hab.* Grœnlandia.

#### 8. SPHÆRIUM SOLIDUM.

S. testa ovata, subglobosa, subæquilaterali, solida, striato-sulcosa, pallide lutea; ligamento inconspicuo.

*Cyclas solida*, Normand, *Notice sur plus. Cycl.* p. 6. no. 2. f. 3, 4.

*Hab.* In flumine Scaldiæ.

#### 2. India.

#### 9. SPHÆRIUM INDICUM.

B.M.

S. testa ovato-rhomboidea, tumidula, subæquilaterali, tenui, pellucida, albo-grisea, latere antico latè rotundato, postico obtusè truncato; umbonibus tumidis, parum prominentibus; cardine obsoletè bidentato, dentibus lateralibus candidis, antico majore trigono, acuto, postico paulo breviorè; valvis sub lente tenuissimè striatis.

*Sphærium indicum*, Desh. *Proc. Zool. Soc.* 1854.

*Hab.* In fluviis Indiæ.

#### 3. Africa.

#### 10. SPHÆRIUM CAPENSE.

B.M.

S. testa ovato-orbiculari, tumida, subglobosa, tenui, cornea, æquilaterali, transversim tenuissimè striata; extremitatibus rotundatis, postice obtusiorè; apicibus marginibusque obtusis; dentibus cardinalibus minimis, lateralibus valvulæ dextræ prominentibus, acutis.

*Cyclas Capensis*, Krauss, *Sudafr. Moll.* p. 7. no. 1. pl. 1. f. 5.

*Hab.* Caput Bonæ Spei.

#### 4. America septentrionalis.

#### 11. SPHÆRIUM SIMILE.

B.M.

S. testa ovato-transversa, tenui, tumida, æquilaterali, transversim striata, obscurè castanea; umbonibus brevibus, oppositis, obtusis; margine inferiore parum convexo, ligamento vix conspicuo; valvis intus pallide caruleis; dente cardinali unico in utraque valva, dentibus lateralibus acutis, in valva dextra duplicatis.



- Cyclas similis*, *Say, Nichol. Encycl. Amer.* ed. 4. pl. 1. f. 9.  
*Gould, Rep. Invert.* p. 72. f. 53.  
*DeKay, Nat. Hist. New York, Moll.* p. 220. pl. 25. f. 264, 265.  
*Cyclas sulcata*, *Lamk. An. s. Vert.* v. 560. no. 9; ed. 2. vi. 271.  
*Deless. Rec. de Coq.* pl. 7. f. 3.  
*Cyclas Sarratogea*, *Lamk. An. s. Vert.* v. 560. no. 11; ed. 2. vi. 271. no. 11.  
*Deless. Rec. de Coq.* pl. 7. f. 9.  
*Hab.* America septentrionalis.

## 12. SPHÆRIUM PARTUMEIA.

B.M.

- S. testa suborbiculari, tumida, subæquilaterali, tenui, fragili, cornea, tenuissimè transversim striata, et obsoletè radiata, anticè rotundata, posticè subtruncata, umbonibus obtusis elevatis, cardine obsoletè bidentato.  
*Cyclas partumeia*, *Say, Journ. Acad. Nat. Sc.* ii. 380.  
*Gould, Rep. Inv. Mass.* p. 73. f. 54.  
*Adams, Amer. Journ. Sc.* xl. 279.  
*DeKay, Zool. New York*, pt. 5. p. 223. pl. 25. f. 262.  
C. cornea, var. 2, 3, *Lamk. An. s. Vert.* v. 558; ed. 2. vi. 268. no. 2.  
*Hab.* Republicæ Unitæ Americæ septentrionalis.

## 13. SPHÆRIUM DUBIUM.

- S. testa minima, solidiuscula, subtriangulari, obliquè subovata, convexa, tenuissimè striata, olivacea, infernè flavescente fasciata; umbonibus obtusis; dentibus lateralibus parvis.  
*Cyclas dubia*, *Say, Nichol. Encycl. Amer.* ed. 4. pl. 1. f. 10.  
C. dubia, *Gould, Invert. of Mass.* p. 75. f. 56.  
*DeKay, Zool. New York*, pt. 5. p. 233. pl. 25. f. 261.  
*Hab.* America septentrionalis.

## 14. SPHÆRIUM RHOMBOIDEUM.

B.M.

- S. testa elongato-transversa, solida, subæquilaterali, rhomboidea, viridi-olivacea, polita, tenuissimè striata; umbonibus obtusis, contiguis, sæpius decorticatis, dentibus lateralibus angustis extremitate bipartitis.  
*Cyclas rhomboidea*, *Say, Journ. Phil.* ii. 380.  
*Adams, Amer. Journ. Sc.* xl. 277.  
*DeKay, Zool. New York*, pt. 5. p. 224. pl. 25. f. 263.  
*Hab.* In lacu Champlain dicto Americæ septentrionalis, Ohio.

## 15. SPHÆRIUM STRAMINEUM.

S. testa ovata, regulariter convexa, subæquilaterali, anticè posticèque æqualiter convexa, fusco-virescente irregulariter substriata; umbonibus inflatis, obtusis vix prominentibus.

*Cyclas straminea*, *Conrad, Amer. Journ.* xxix. 342. pl. 1. f. 5.

*Müll. Syn. Test. Viv.* p. 220. no. 1.

*DeKay, Zool. New York*, pt. 5. p. 225.

*Hab.* In rivulis Alabamensibus.

## 16. SPHÆRIUM TRANSVERSUM.

S. testa transversim oblonga, subovata, subæquilaterali, viridi, substriata, anticè rotundata, posticè angustiore; umbonibus obtusis vix prominentibus.

*Cyclas transversa*, *Say, Descr. Land and Freshw. Shells*, p. 10.

*DeKay, Zool. New York*, pt. 5. p. 225.

*Hab.* Kentucky, Americæ septentrionalis.

## 17. SPHÆRIUM GIGANTEUM.

S. testa maxima, crassa, solida, subovata, complanata, æquilaterali, elongata, posticè abrupta; umbonibus magnis, non elevatis.

*Cyclas gigantea*, *Prime, Proc. Bost. Soc. Nat. Hist.* 1852, p. 157.

*Hab.* In Pennsylvaniae fluviis.

## 18. SPHÆRIUM EMARGINATUM.

S. testa magna, crassa, globosa, tumida, obliqua, posticè subtruncata, inæquilaterali, triangulari, epidermide olivacea, tenuiter striata; umbonibus tumidis, magnis, marginibus abruptis; dentibus crassis.

*Cyclas emarginata*, *Prime, Proc. Bost. Soc. Nat. Hist.* 1852, p. 156.

*Hab.* In lacu Superiore, Americæ septentrionalis.

## 19. SPHÆRIUM TENUISTRIATUM.

S. testa subglobosa, complanata, brevi, subæquilaterali, posticè dilatata, tenuiter striata; umbonibus perelevatis; dentibus parvis.

*Cyclas cornea*, *Adams (non Lamk.), Cat. of Shells in his Cabinet*, 1847.

*Cyclas tenuistriata*, *Prime, Proc. Bost. Soc. Nat. Hist.* 1852, p. 156.

*Hab.* In fluvio Tennessee dicto, Americæ septentrionalis.

## 20. SPHÆRIUM PONDEROSUM.

S. testa magna, crassa, solida, brevi, subglobosa, inæquilaterali, posticè acuta, lineis incrementi fortiter instructa; umbonibus rotundatis, approximatis; dentibus crassis.

*Cyclas ponderosa*, *Prime, Proc. Bost. Soc. Nat. Hist.* 1852, p. 157.

*Hab.* In lacu Superiore, Americæ septentrionalis.

## 21. SPHÆRIUM CARDISSA.

S. testa globosa, ventricosa, tenui, fragili, subæquilaterali; umbonibus magnis, rotundatis, approximatis.

*Cyclas cardissa*, *Prime, Proc. Bost. Soc. Nat. Hist.* 1852, p. 160.

*Hab.* Massachusetts.

## 22. SPHÆRIUM GRACILE.

S. testa magna, tenui, fragili, subglobosa, complanata, subæquilaterali, elongata, posticè brevi, alba, nitida, tenuiter striata; umbonibus rotundatis, approximatis; dentibus cardinalibus parvis, lateralibus acutis, elongatis.

*Cyclas gracilis*, *Prime, Proc. Bost. Soc. Nat. Hist.* 1852, p. 156.

*Hab.* In fluvio Ohio dicto, Americæ septentrionalis.

## 23. SPHÆRIUM AUREUM.

S. testa magna, solida, crassa, elongata, globosa, complanata, subinæquilaterali, posticè subtruncata, lineis incrementi fortiter instructa; umbonibus magnis, perelevatis; dentibus fortibus.

*Cyclas aurea*, *Prime, Proc. Bost. Soc. Nat. Hist.* 1852, p. 159.

*Hab.* In lacu Superiore, Americæ septentrionalis.

## 24. SPHÆRIUM FLAVUM.

S. testa compressa, subovata, fragili, inæquilaterali, epidermide flava, striis concentricis instructa, posticè dilatata; umbonibus parvis, depressis.

*Cyclas flava*, *Prime, Proc. Bost. Soc. Nat. Hist.* 1852, p. 155.

*Hab.* In lacu Superiore, Americæ septentrionalis.

## 25. SPHÆRIUM SECURIS.

S. testa parva, rhomboidea, posticè abruptissima, subæquilaterali, natibus elevatissimis; dentibus cardinalibus minutis, lateralibus elongatis, fortibus.

*Cyclas securis*, *Prime, Ann. of Lyc. of New York*, 1852, p. 218. pl. 6; *Proc. Bost. Nat. Hist. Soc.* 1852, p. 160.

*Hab.* In fluviis Massachusettsensibus.

## 26. SPHÆRIUM ALBULUM.

*S.* testa magna, crassa, obliqua, subglobosa, tumida, complanata, subæquilaterali, posticè acuta, flava, striis concentricis instructa; umbonibus magnis, non elevatis.

*Cyclas albula*, *Prime, Proc. Bost. Soc. Nat. Hist.* 1852, p. 155.

*Hab.* In lacu Superiore, Americæ septentrionalis.

## 27. SPHÆRIUM SOLIDULUM.

*S.* testa solida, brevi, crassa, compacta, subglobosa, inæquilaterali, posticè elongata, striis incrementi fortiter et regulariter instructa; umbonibus rotundatis, non approximatis, dentibus cardinalibus parvis, lateralibus acutis, crassis.

*Cyclas solidula*, *Prime, Proc. Bost. Soc. Nat. Hist.* 1852, p. 158.

*Hab.* In fluvio Ohio, Americæ septentrionalis.

## 28. SPHÆRIUM FABALE.

*S.* testa depressa, crassa, solida, elongata, posticè brevi et subtruncata, epidermide fusca, striis incrementi fortiter instructa, umbonibus parvis, non elevatis.

*Cyclas fabalis*, *Prime, Proc. Bost. Soc. Nat. Hist.* 1852, p. 159.

*Hab.* In lacu Superiore, Americæ septentrionalis.

## 29. SPHÆRIUM MIRABILE.

*S.* testa tenui, fragili, subovata, subæquilaterali, posticè abruptissima; umbonibus parvis, elevatis.

*Cyclas mirabilis*, *Prime, Proc. Bost. Soc. Nat. Hist.* 1852, p. 157.

*Hab.* In fluminibus Georgiæ.

## 30. SPHÆRIUM ELEVATUM.

*S.* testa orbiculari, substriata, fusco-olivacea; umbonibus prominentibus; dentibus cardinalibus prominentibus, lateralibus crassis.

*Cyclas elevata*, *Haldeman, Proc. Acad. Sc.* 1841.

*DeKay, Zool. New York*, pt. 5. p. 225.

*Hab.* Nova Aureliana.

## 31. SPHÆRIUM ELEGANS.

B.M.

S. testa orbiculato-rhomboidea, tenui, tumida, subæquilaterali, tenuè et eleganter striata, nitide olivacea, infernè flavescente; umbonibus obtusis, vix prominentibus; ligamento inconspicuo.

*Cyclas elegans*, Adams, *Moll. of Middl. Amer. Journ.* xl. 277; *Bost. Journ. Nat. Hist.* iii. pl. 3. f. 11.

*Gould, Rep. Invert. of Mass.* p. 74. f. 55.

*DeKay, Zool. New York*, pt. 5. p. 224.

*Hab.* Republicæ Unitæ Americæ septentrionalis.

## 32. SPHÆRIUM JAYENSE (JAYANUM).

S. testa pellucida, fragili, brevi, globosa, subæquilaterali, transversè rotundata, posticè abruptissima, alba, nitida, tenuiter striata; umbonibus magnis, elevatis.

*Cyclas Jayensis*, Prime, *Proc. Bost. Soc. Nat. Hist.* 1852, p. 157.

*Hab.* In lacu Superiore, Americæ septentrionalis.

## 33. SPHÆRIUM ROSACEUM.

S. testa minuta, tenui, fragili, tumida, ventricosa, subæquilaterali, posticè dilatata, striis concentricis tenuiter instructa, nitida, rosacea; umbonibus parvis, perelevatis.

*Cyclas rosacea*, Prime, *Proc. Bost. Soc. Nat. Hist.* 1852, p. 155.

*Hab.* In fluviis Pennsylvaniae.

## 34. SPHÆRIUM INORNATUM.

S. testa subglobosa, elongata, subæquilaterali, posticè subtruncata, lineis incrementi irregulariter instructa; umbonibus magnis, non tumidis.

*Cyclas inornata*, Prime, *Proc. Bost. Soc. Nat. Hist.* 1852, p. 159.

*Hab.* Illinois.

## 35. SPHÆRIUM MODESTUM.

S. testa tenui, complanata, inæquilaterali, posticè dilatata; umbonibus magnis, elevatis.

*Cyclas modesta*, Prime, *Proc. Bost. Soc. Nat. Hist.* 1852, p. 159.

*Hab.* In aquis dulcibus Pennsylvaniae.

## 36. SPHÆRIUM CASTANEUM.

S. testa depressa, brevi et subtruncata, inæquilaterali, striis in-



crementi instructa, epidermide fusca; umbonibus parvis, non elevatis.

*Cyclas castanea*, *Prime, Proc. Bost. Nat. Hist. Soc.* 1852, p. 159.

*Hab.* In fluvio Wabash dicto, Americæ septentrionalis.

### 37. SPHÆRIUM SIMPLEX.

S. testa parva, fragili, compressa, inæquilaterali, posticè subtruncata; umbonibus magnis, elevatis.

*Cyclas simplex*, *Prime, Proc. Bost. Nat. Hist. Soc.* 1852, p. 159.

*Hab.* Illinois.

### 38. SPHÆRIUM PATELLA.

S. testa parva, tenui, rotundato-ovali, lenticulari, modice cavata, transversim exiliter sulcata, epidermide luteo-viridi induta; apicibus medianis, rotundatis, haud elevatis; intus lactea; cardine dentibus duobus minutis cardinalibus instructo; dentibus lateralibus validis, remotis.

*Cyclas patella*, *Gould, Proc. Bost. Nat. Hist. Soc.* iii. 292; *United States Explor. Exp. Moll.* p. 426. f. 527. a, b.

*Hab.* —?

### 39. SPHÆRIUM ACUMINATUM.

S. testa fragili, rhomboidea, depressa, inæquilaterali, posticè abrupta, alba, nitida, striis concentricis instructa; umbonibus parvis, depressis.

*Cyclas acuminata*, *Prime, Proc. Bost. Nat. Hist. Soc.* 1852, p. 155.

*Hab.* In lacu Superiore, Americæ septentrionalis.

### 40. SPHÆRIUM DISTORTUM.

S. testa globosa, crassa, solida, tumida, inæquilaterali, transversim rotundato-ovata, posticè elongata, striis incrementi fortiter instructa; umbonibus rotundatis et approximatis.

*Cyclas distorta*, *Prime, Proc. Bost. Nat. Hist. Soc.* 1852, p. 158.

*Hab.* In fluvio Ohio dicto, Americæ septentrionalis.

### 41. SPHÆRIUM NITIDUM.

S. testa subovata, inæquilaterali; natibus parvis haud approximatis; dentibus lateralibus crassis, cardinalibus obsoletis.

*Cyclas nitida*, *Mighels & Adams, Shells of New Engl. Bost. Journ. Nat. Hist.* iv. 39; *Cat. of Shells of Maine, Bost. Journ. Nat. Hist.* iv. 319.

*Hab.* America septentrionalis; Norway; Oxford.

#### 42. SPHÆRIUM DETRUNCATUM.

S. testa ovata, complanata, truncata, elongata, inæquilaterali, posticè abrupta, anticè acutissima; umbonibus parvis, non elevatis; epidermide olivacea.

*Cyclas detruncata*, *Prime, Proc. Bost. Nat. Hist. Soc.* 1852, p. 155.

*Hab.* In fluviis Pennsylvaniae.

#### 5. America meridionalis.

#### 43. SPHÆRIUM MACULATUM.

S. testa rhomboidea, tenui, minutè lamellosa-striata, badia, fusco-maculata, intus carneo-rubra, maculata, in medio saturatè cærulea; margine basali vix arcuato; anteriore ovali, posteriore explicato, subrecto; dentibus parvulis.

*Cyclas maculata*, *Morelet, Test. Nov. Cuba*, pt. 2. p. 25. no. 148 (non *Anton.*).

*Hab.* America centralis, Yucatan (*Morelet*).

#### 44. SPHÆRIUM ARGENTINUM.

S. testa ovata, tenui, diaphana, compressa, concentricè substriata, epidermide brunneo-viridescente; latere antico brevi, subanguloso; latere postico dilatato, truncato; intus albicante; cardine unidentato; dentibus lateralibus subnullis.

*Cyclas argentina*, *D'Orb. Mag. de Zool.* p. 44. no. 3; *Voy. en Amér.* p. 568. pl. 83. f. 5-7.

*Hab.* Rivulum prope Montevideo.

#### 6. Australia.

#### 45. SPHÆRIUM NOVÆ ZELANDIÆ.

B.M.

S. testa ovato-transversa, æquilaterali, compressa, nitidissima, pellucida, griseo-cærulescente, saturatiore irregulariter transversim zonata; latere antico obtuso parum declivi, postico latiore rotundato, margine inferiore convexo; umbonibus minimis, obtusis, vix prominentibus, ligamento minimo in-

conspicuo; cardine angustissimo bidentato, dentibus exiguis, lateralibus parvis, antico paulo majore.

Sphærium Novæ Zelandiæ, *Desh. Proc. Zool. Soc.* 1854.

*Hab.* Nova Zelandia; Nova Hollandia.

#### 46. SPHÆRIUM EGREGIUM.

S. testa ventricosa, transversa, oblonga, subæquilaterali, transversim tenui-lirata; apicibus parum elevatis, tumidis; epidermide viridi corneo fusco zonata, plerumque Cycl. cornæ simili.

*Cyclas egregia*, *Gould, Proc. Bost. Nat. Hist. Soc.* iii. 292; *United States Explor. Exp. Moll.* p. 425. f. 526.

*Hab.* In fluvio Hunteriano Novæ Hollandiæ.

#### 7. Species dubiæ.

47. *Cyclas globosa*, *Megerle* (non *D'Orb.*), in *A. & J. B. Villa, Disp. Syst. Conch.* p. 44.

*Hab.* Sangobard (*Villa*).

48. *Cyclas orbicularis* (non *C. orbicularia*, *Ramer*), *Linsley, Cat. of the Shells of Connecticut, Amer. Journ.* xlviii. 276.

*Hab.* America septentrionalis; East Haddam (*Linsley*).

49. *Cyclas lutea*, *Ziegler*, in *Anton, Verz. der Conch.* p. 14. no. 511.

*Hab.* —?

50. *Cyclas Steinii*, *Schmidt, Zeitschr. f. Malak.* no. 8, 1850, p. 118.

*Hab.* —?

51. *Cyclas truncata*, *Linsley, Amer. Journ.* xlviii. 276.

*Hab.* America septentrionalis; Stonington, Stratford et Stratfield (*Linsley*).

#### Genus 6. PISUM.

Animal ovato-rotundatum, inæquilaterale, sæpius turgidum; pallium simplex, anticè infernèque apertum, posticè in trachea unica terminatum; pes linguiformis, compressus, apice acutus vel subcylindræus; labiorum appendices breves, angustæ; branchiæ inæquales, latæ, transversim obliquè striatæ, subplicatæ, posticè inter se conniventes.

Testa minima, tenuis, inæquilateralis, ovata vel subrotunda, subglobosa, levigata substriatave; cardine angusto, dentato.

in valva dextra dentem unicum modo simplicem, modo complexum præbente, inter dentes duos obliquos in altera valva receptum; dentibus lateralibus angustis, depressis, elongatis, in utraque valva lamelliformibus; ligamentum breve, angustum, externum; impressio pallii simplex, posticè minime excavata.

*Tellina*, Müll. (1774) *Verm. Hist.* p. 205.

*Cardium*, Poli (1791), *Test. utr. Sicil.* i. 65.

*Mont.* (1803) *Test. Brit.* p. 86.

*Cyclas*, Drap. (1801) *Tabl. des Moll.* p. 106; (1805) *Hist. des Moll.* p. 131.

*Lamk.* (1818) *An. s. Vert.* v. 559.

*Pisum*, Meg. (1811) *Entw.* p. 57 (non Linn.).

*Gray* (1847), *Proc. Zool. Soc.* p. 184; *Ann. & Mag. N. H.* xi. 34.

*Pisidium*, Pfeiffer, *Syst. Anord.* p. 120.

*Jenyns* (1832), *Camb. Phil. Soc.* iv. 300.

*Gray* (1840), *Turt. Man.* ed. 2. p. 285.

*Forbes & Hanley* (1849), *Hist. of Brit. Moll.* ii. 130.

*Galileja*, Costa (1839), *Corresp. Zool.*

*Phil.* (1844) *Enum. Moll. Sicil.* ii. 214.

*Pera*, Leach, MSS. (1819) fide *Gray*, *Turt. Man.* p. 282 (1840);

*Syn. Moll. Brit.* (1852) ed. *Gray*, p. 291.

*Euglesa*, Leach, MSS. (1819) fide *Gray*, *Turt. Man.* p. 282 (1840);

*Syn. Moll. Brit.* (1852) p. 291, ed. *Gray*.

*Cordula*, Leach (1852), *Syn. Moll. Brit.* p. 292, ed. *Gray*.

## 1. SYNOPSIS SPECIERUM.

1. Species Europæanæ, 1-11.
2. Africanæ, 12-15.
3. Americæ septentrionalis, 16-23.
4. Americæ meridionalis, 24-30.
5. Australienses, 31, 32.
6. Species dubiæ, 33-36.

### 1. Species Europæanæ.

#### 1. PISUM AMNICUM.

B.M.

P. testa subovato-trigona, inæquilaterali, ventricosa, eleganter striato-costulata, cinereo-luteola, aliquantisper nigricante zonata; umbonibus parvis, obtusis, læviusculis; dentibus cardinalibus in angulum acutum dispositis; dentibus lateralibus

elevatis, crassiusculis, utrinque duplicibus in valvula dextra; simplicibus in sinistra.

*Musculus fluviatilis*, *Gualt. Ind. Test.* pl. 7. f. C, C.

*Tellina amnica*, *Müll. Verm. Hist.* ii. 205. no. 389; *Zool. Dan. Prodr.* p. 246. no. 2967.

*Chemn. Conch.* vi. 138. pl. 13. f. 134.

*Wood, Gen. Conch.* p. 153. no. 19. pl. 47. f. 6; *Ind. Test.* pl. 3. f. 19.

*Tellina striata*, *Schröt. Flussconch.* p. 193. no. 15.

*Tellina rivalis*, *Mat. & Rack. Linn. Trans.* iii. 44. pl. 13. f. 37, 38. *Donov. Nat. Hist. of Brit. Shells*, ii. pl. 64. f. 2.

*Cyclas palustris*, *Drap. Tabl. des Moll.* p. 106. no. 3; *Hist. des Moll.* p. 131. pl. 10. f. 17, 18.

*Cardium amnicum*, *Mont. Test. Brit.* p. 86. no. 15.

*Turt. Brit. Fauna*, p. 154.

*Cyclas obliqua*, *Lamk. An. s. Vert.* v. 559. no. 4.

*Nilsson, Hist. Moll. Suec.* p. 99. no. 4.

*Alder, Trans. Nat. Hist. Soc. Newcastle*, i. 41. f. 71.

*Pisidium obliquum*, *C. Pfeiff. Syst. An.* p. 124. no. 1. pl. 5. f. 19, 20.

*Cyclas amnica*, *Turt. Conch. Ins. Brit.* p. 250. pl. 11. f. 15.

*Pisidium amnicum*, *Jenyns, Trans. Cambr. Phil. Soc.* iv. 309. no. 6. pl. 19. f. 2.

*Gray, Turt. Man.* ed. 2. p. 285. no. 120. pl. 1. f. 5.

*Forbes & Hanley, Hist. of Brit. Moll.* ii. 133. pl. 37. f. 8, 9, & pl. O. f. 8.

*Pera fluviatilis*, *Leach, Mus. Brit.* (teste *Jenyns, Cambr. Phil. Soc.* iv. 310); *Moll. Brit. Syn.* ed. *Gray*, p. 292. no. 3.

*Pera Henslowiana*, *Leach, Brit. Mus.* (teste *Jenyns, loc. cit.* p. 310); *Moll. Brit. Syn.* p. 291. no. 1.

*Pisidium inflatum*, *Megerle in Porro, Malac. Comasea*, p. 121. no. 109. pl. 2. f. 13.

*Villa, Dispos. Meth. Conch.* p. 44.

*Pisidium Pfeifferi*, *Ziegler* (sec. *Stentz*) in *Porro, Malac. Comasea*, p. 121.

*Pisidium palustre*, *Porro, Malac. Comasea*, p. 122. no. 3.

*Villa, Disp. Meth. Moll.* p. 44.

*Spinelli, Cat. Moll. Bresciana*, p. 20. no. 136.

*Cordula amnica*, *Leach, Moll. Brit. Syn.* ed. *Gray*, p. 293. no. 1.

*Hab.* In aquis dulcibus Europæ.

## 2. PISUM CASERTANUM.

B.M.

*P.* testa crassa, ovali, tumidiuscula, valde obliqua, latere antico posticum ferè duplo superante, tenuissime transversim striata, pellucida, cornea, fragili, apicibus integris, obtusissimis, sæpius



purpureis; dentibus cardinalibus duobus minimis, lateralibus in utraque valva validis; ligamento minimo, extus conspicuo.

*Cardium casertanum*, *Poli, Test. utr. Sicil. i. 65. pl. 16. f. 1 (1791).*

*Cyclas fontinalis* (ex parte), *Nilsson, Hist. Moll. Suec. p. 101. no. 6.*

*Pisidium australe*, *Phil. Enum. Moll. Sicil. i. 39; ii. 31. no. 2. pl. 14. f. 2.*

*Ray & Drouet, Cat. des Moll. de la Champ. p. 32. no. 63.*

*Pisidium cinereum*, *Alder, Cat. Land & Freshw. Moll. Northumb. Suppl. p. 4.*

*Gray, Turt. Man. ed. 2. p. 286. no. 121. pl. 10. f. 152.*

*Forbes & Hanley, Hist. of Brit. Moll. ii. 125. pl. 36. f. 2.*

*Dupuy, Hist. nat. des Moll. de France, p. 683. pl. 30. f. 3.*

*Pisidium obtusale*, *Villa, Disp. Syst. Conch. p. 44.*

*Cyclas obliqua*, *Dupuy, Moll. du Gers, p. 91. no. 4.*

*Cyclas cinerea*, *Hanley, Descr. Cat. p. 91.*

*Cyclas lenticularis*, *Normand, Notice sur quelques espèces de Cyclades, p. 8. no. 4. f. 7, 8.*

*Pisidium iratianum*, *Dupuy, Cat. extr. Gall. no. 234.*

*Pisidium thermale*, *Dupuy, loc. cit. no. 238; Hist. nat. des Moll. de France, p. 682. pl. 30. f. 6.*

*Pisidium calyculatum*, *Dupuy, Cat. extr. Gall. no. 229; Hist. nat. des Moll. de France, p. 684. pl. 30. f. 4.*

*Pisidium sinuatum*, *Bourguignat, Journ. de Conch. i. 421; ii. 49. pl. 1. f. 6-10.*

*Pisidium lenticulare*, *Dupuy, Hist. nat. des Moll. de France, p. 680. no. 2. pl. 30. f. 2.*

*Hab. Europa.*

### 3. PISUM VITREUM.

*P. testa variabile, obliquè ovali, inæquilaterali, plus minusve ventricosa, striata, striis profundiusculis, nitida, cinereo-lutescente vel sordide ferruginea incrustata; umbonibus obtusiusculis, simplicibus, approximatis, vix prominentibus.*

*Cardium amnicum* (junius), *Mont. Test. Brit. p. 88 (teste Gray 1840, Hanley 1843).*

*Cyclas fontinalis*, *Brown, Edinb. Journ. of Nat. and Geol. Sc. i. pl. 1. f. 5, 7.*

*Alder, Trans. Nat. Hist. of Newcastle, p. 41. no. 69.*

*Cyclas vitrea*, *Risso, Eur. Merid. iv. 338. no. 914.*

*Pisidium Joannis*, *Macgilliv. Moll. Anim. of Scotl. p. 209. no. 1, et p. 248.*

*Pisidium Jenynsii*, *Macgilliv. loc. cit. p. 209. no. 2. p. 249.*

*Pisidium vitreum*, *Pfeiffer in Verani, Cat. del Golfo di Genova*, &c., p. 13.

*Pisidium Normandianum*, *Dupuy in Gassies, Moll. de l'Agenais*, p. 206. no. 2; *Cat. extr. Test. Gall.* p. 4. no. 233; *Hist. nat. des Moll. de France*, p. 686. no. 7. pl. 31. f. 1.

*Pisidium limosum*, *Gassies, Moll. de l'Agenais*, p. 206. no. 3. pl. 2. f. 10, 11.

*Pisidium Gassiesianum*, *Dupuy in Gass. Moll. de l'Agenais*, p. 207. no. 5. pl. 2. f. 12; *Cat. extr. Gall. Test.* p. 4. no. 232; *Hist. nat. des Moll. de France*, p. 685. pl. 30. f. 7.

*Hab.* Europa.

#### 4. PISUM NITIDUM.

P. testa orbiculato-ovali, subinæquilaterali, convexiuscula, nitidissima, albo-lutescente raro sordide aut rubigine oblecta, tenuiter striata, striis aliquibus distinctius incis; umbonibus obtusis, approximatis, marginem dorsalem paulo superantibus.

*Cyclas pusilla* (ex parte), *Turt. Man.* p. 16. no. 7.

*Pisidium nitidum*, *Jenyns, Trans. Cambr. Phil. Soc.* iv. 304. no. 3. pl. 20. f. 7, 8.

*Gray, Turt. Man.* ed. 2. p. 282. no. 2. pl. 12. f. 150.

*Forbes & Hanley, Hist. of Brit. Moll.* ii. 126. pl. 37. f. 14.

*Dupuy, Hist. des Moll. de France*, p. 692. no. 12. pl. 31. f. 5.

*Cyclas nitida*, *Hanley, Descr. Cat.* p. 90; *Suppl.* pl. 14. f. 46.

*Hab.* Europa.

#### 5. PISUM PUSILLUM.

P. testa orbiculato-ovali, aliquantisper suboblunga vix inæquilaterali, margine dorsali recto, compressiusculo, margine inferiore acuto; subtilissime striata; umbonibus subdepressis, parum prominulis, interdum subacutis.

*Chama fluviatilis*, *Schröt. Flussconch.* p. 194. pl. 4. f. 7; *Einkl.* iii. 25. no. 87.

*Tellina pusilla*, *Gmel. Syst. Nat.* p. 3231. no. 16.

(ex parte), *Dillw. Cat.* i. 106. no. 76.

(ex parte), *Turt. Conch. Dict.* p. 167. no. 2.

*Wood, Gen. Conch.* p. 152. no. 16.

*Cyclas fontinalis* (pars), *Drap. Hist. des Moll. de France*, p. 130. pl. 10. f. 11, 12.

*Lamk. An. s. Vert.* v. 559. no. 7.

*Nilsson, Hist. Moll. Suec.* p. 101. no. 6.

*Cyclas pusilla*, *Turt. Man.* p. 16. no. 7. pl. 1. f. 7; *Conch. Ins. Brit.* p. 251. no. 5. pl. 11. f. 16, 17.

*Pisidium fontinale*, *C. Pfeiffer, Syst. Anord.* p. 125. no. 3. pl. 5. f. 15, 16.

*Dupuy, Hist. des Moll. de France*, p. 691. no. 11. pl. 31. f. 3.  
*Pera pulchella*, *Leach, MSS. Brit. Mus.* teste *Alder, Cat. of the Land, &c.*, p. 41. no. 69; *Moll. Brit. Syn.* ed. *Gray*, p. 292. no. 5 (1852).

*Euglesa Henslowiana*, *Leach, MSS. Brit. Mus.* teste *Jenyns, Trans. Cambr. Phil. Soc.* vi. 302; *Moll. Brit. Syn.* p. 291. no. 1.

*Pisidium pusillum*, *Jenyns, Trans. Cambr. Phil. Soc.* vi. 302. no. 2. pl. 20. f. 4-6.

*Gray, Turt. Man.* ed. 2. p. 283. no. 117. pl. 1. f. 7.

*Forbes & Hanley, Hist. of Brit. Moll.* ii. 123. pl. 37. f. 10, & pl. O. f. 9.

*Pisidium pulchellum* (ex parte), *Gray, Turt. Man.* p. 284. no. 118.

*Pisidium roseum*, *Scholtz, Moll. Fauna*, p. 140. no. 3.

*Pisidium obtusale*?, *Gassies, Moll. de l'Agenais*, p. 207.

*Ray & Drouet, Cat. des Moll. de la Champ.* p. 32. no. 167.

*Hab. Europa.*

#### 6. PISUM HENSLOWIANUM.

B.M.

P. testa obliquè ovali, ventricosa, anticè planiuscula, distinctè inæquilaterali, tenuiter striata, nitide lutescenti-alba vel cornea, sæpius partim præcipue ad apicem sordide ferruginea; umbones acutiusculi, projectura parva lamelliformi adornati.

*Pera Henslowiana*, *Leach, MSS. Brit. Mus.* 1819 (teste *Gray*, 1851) (teste *Jenyns*, 1832).

*Tellina Henslowana*, *Sheppard, Trans. Linn. Soc.* xiv. 150. no. 4.

*Cyclas appendiculata*, *Leach, MSS.* (teste *Turt.* 1831); *Manual.* p. 15.

*Turt. Man.* p. 15. no. 6. pl. 1. f. 6.

*Pisidium acutum*, *Pfeiffer, Wieg. Arch.* i. 230.

*Pisidium Henslowianum*, *Jenyns, Trans. Cambr. Phil. Soc.* iv. 308. no. 5. pl. 21. f. 6, 7.

*Gray, Turt. Man.* ed. 2. p. 285. no. 119. pl. 1. f. 6.

*Forbes & Hanley, Hist. of Brit. Moll.* ii. 131. pl. 37. f. 11.

*Dupuy, Hist. nat. Moll. de France*, p. 687. no. 8. pl. 31. f. 2.

*Pera appendiculata*, *Leach, Moll. Brit. Syn.* p. 292. no. 4, ed. *Gray*

*Hab. Europa.*

#### 7. PISUM PULCHELLUM.

B.M.

P. testa minuta, obliquè cordata, valde inæquilaterali, ventricosa, concentricè striata, tenui, fragili; umbonibus prominulis.

*Pera pulchella*, *Leach, MSS.* fide *Jenyns*.

*Pisidium pulchellum*, *Jenyns*, *Mon.* 18. pl. 21. f. 1-5.

*Gray*, *Turt. Man.* p. 284. pl. 12. f. 15.

*Pfeiffer*, *Deutsch. Land und Susswass. Moll.* pt. 1. p. 125. pl. 5. f. 15, 16.

*Hanley & Forbes*, *Brit. Moll.* ii. 128. pl. 37. f. 12, 13.

*Phil. Enum. Moll. Sicil.* ii. 31.

*C. fontinalis*, *Drap. Terr. et Fluv.* pt. 30. t. 10. f. 12?

*Galileja tenebrosa*, *Da Costa*, *Corr. Zool.* fide *Phil.*

*Petit*, *Journ. de Conch.* 1851, p. 413. pl. 12. f. 6-10.

*Hab.* Europa.

## 8. PISUM OBTUSALE.

B.M.

*P. testa globosa*, obliquè subovali, ventricosissima, crassitudine ferè altitudinem æquante, nitida, subtiliter striata, virescenti-nigra, vel ochraceo-nigricante, zona marginali plus minusve lata lutescente vel subaurantia; umbonibus tumidis, obtusè rotundatis vix prominentibus.

*Cyclas obtusalis*, *Lamk. An. s. Vert.* v. 559. no. 6.

*Nilsson*, *Moll. Suec.* p. 101. no. 5.

*Pisidium obtusale*, *Pfeiffer*, *Syst. Anord.* p. 125. no. 2. pl. 5. f. 21, 22.

*Jenyns*, *Trans. Cambr. Phil. Soc.* iv. 301. pl. 20. f. 1-3.

*Gray*, *Turt. Man.* ed. 2. p. 282. no. 115. pl. 12. f. 149.

*Forbes & Hanley*, *Hist. of Brit. Moll.* ii. 120. pl. 36. f. 1.

*Dupuy*, *Hist. nat. des Moll. de France*, p. 690. no. 10. pl. 31. f. 4.

*Cyclas gibba*, *Alder*, *Trans. of Northumb. Nat. Hist. Soc.* i. 41. no. 70.

*Pera gibba*, *Leach*, *MSS.* (teste *Jenyns*, *Trans. &c.* p. 301); *Moll. Brit. Synop.* ed. *Gray*, p. 292. no. 6.

*Cyclas fontinalis*, var. *obtusalis*?, *Dupuy*, *Moll. du Gers*, p. 89. no. 2.

*Hab.* Europa.

## 9. PISUM RECLUZIANUM.

*P. testa minima*, inæquilaterali, ovali, complanata, pellucida, nitidiuseula, argutè concentricèque striata, epidermide pallido-cornea; natibus valdè prominulis; ligamento inconspicuo; dente cardinali minutissimo, obliquo, subacuto; dente laterali obtuso, subproducto in utroque latere, vix in valva sinistra perspicuis.

*Cyclas Recluziana*, *Bourguignat*, *Journ. de Conch.* 1852, p. 174. pl. 8. f. 8.

*Hab.* Gallia occidentalis.

## 10. PISUM LENTICULARE.

P. testa transversè ovata, compressa, inæquilaterali, anticè producta, tenui, diaphana, subtilissimè striata, albido-rufescente; umbone obtuso; ligamento inconspicuo.

*Cyclas lenticularis*, *Normand, Notice sur quelques Cycl.* p. 8. no. 4. f. 7, 8.

*Hab.* In fluvio Scaldiaë.

## 11. PISUM CREPLINI.

P. testa plus minusve ventricosa, orbiculato-rhomboidea, vel sub-ovali, inæquilaterali, anticè producta, posticè brevi, tenui, pel-lucente, concentricè atque tenerrimè striata, unicolore lutea seu albo-lutescente, seu zonis cinereo-nigricantibus et luteo-olivaceis picta; umbonibus obtusis, plus minusve tuberculosus, antrorsum incurvis, approximatis; ligamento minimo, ferè inconspicuo, latere breviori insito; dente bifido cardinali in utraque valvula; laterales duo valde compressi.

*Cyclas Creplini*, *Dunker, Zeitschr. für Malac.* 1845, p. 20.

*Hab.* In fossulis paludosis prope Casselis loco Hottenkirchen dicto.

2. *Africanæ.*

## 12. PISUM PARASITICUM.

B.M.

P. testa ovato-transversa, convexiuscula, inæquilaterali, transversim tenuè et irregulariter striata, epidermide viridi-fuscescente vestita, atro-rubescente aliquantisper intus extusque puncticulata; latere antico brevi, obtuso, angusto; postico latiore extremitate obtusè truncato; margine superiore recto, inferiori parallelo; cardine angustissimo, dentibus cardinalibus obsoletis, lateralibus angustis, brevibus; umbonibus magnis, obtusis, obliquis.

*Pisidium parasiticum*, *Parreys, MSS.*

*Hab.* In Nilo superiore.

## 13. PISUM LUMSTENIANUM.

B.M.

P. testa ovata, obliquè trigona, tumida, inæquilaterali, transversim striata; natibus prominentibus, roseo-corneis.

*Pisidium Lumstenianum*, *Forbes, Moll. of Algeria, Ann. of Nat. Hist.* ser. 2. no. 10. 1838, p. 255. no. 45. pl. 12. f. 4.

*Hab.* In fonticulis Mitidjanæ.



14. *PISUM CANARIENSE.*

*P.* testa ovali, compressiuscula, valde inæquilaterali, subtiliter striata, sordide albida, pellucida, umbonibus vix prominulis, obtusis.

*Pisidium Canariense*, *Shuttleworth, Diagn. neuer Moll.* no. 1. p. 12.

*Hab.* Teneriffa.

15. *PISUM FERRUGINEUM.*

B.M.

*P.* testa ovato-rhomboidea, subcompressa, tenui, cornea, ferri oxydo obtecta, inæquilaterali, transversim striata; extremitate antica brevi, rotundata, postica latiore, obliquè subtruncata; apicibus acutis prominulis; dentibus lateralibus valvulae dextræ prominentibus, antico acuto; superficie interna pallide violaceo-ferruginea.

*Pisidium ferrugineum*, *Krauss, Sudafr. Moll.* p. 7. no. 2. pl. 1. f. 7.

*Hab.* Caput Bonæ Spei in fluvio Knysna.

3. *Americæ septentrionalis.*16. *PISUM VIRGINICUM.*

*P.* testa minima, rotundata, subtiliter transversim striata, anticè rostrata (*Gmelin*).

*Pectunculus perpusillus*, *Lister, Conch.* pl. 159. f. 15.

*Petiv. Gazoph.* p. 1. pl. 104. f. 5 (malus).

*Tellina virginica*, *Gmel. Syst. Nat.* p. 3236. no. 39.

*Tellina pusilla* (ex parte), *Dillw. Cat.* i. 106. no. 76.

*Cyclas virginica*, *Férussac, Observ. Mag. de Zool.*

*Hab.* Respublica Virginicæ, Americæ septentrionalis.

17. *PISUM MINUS.*

*P.* testa minima, ovata, inæquilaterali, natibus tumidis, approximatis; marginibus rotundatis; dentibus omnibus crassis.

*Cyclas minor*, *Adams & Migh. Boston Journ. of Nat. Hist.* 1842. p. 39. pl. 4. f. 2.

*Migh. Cat. of the Shells of Maine. Bost. Journ. of Nat. Hist.* iv. 319.

*Hab.* In aquis dulcibus circa Stonington, Respublicæ Unitæ Americæ septentrionalis.

18. *PISUM ABRUPTUM.*

*P.* testa ovata, valde inæquilaterali, olivacea vel pallide castanea;

umbonibus fere terminalibus, margine antico in ventrali abruptè terminato.

*Cyclas abrupta*, *Haldeman, Proc. Acad. Sc.* 1841.

*DeKay, Zool. New York*, pt. 5. p. 226.

*Hab.* In flumine Elk dicto Marylandico.

#### 19. PISUM EDENTULUM.

*P.* testa ovato-transversa, inæquilaterali, viridi-fuscescente, transversim et regulariter striata, striis parum elevatis; umbonibus obtusis, depressis, decorticatis; dentibus cardinalibus parvulis, linearibus, obliquis, lateralibus angustis.

*Cyclas edentula*, *Say, Descr. Land & Freshw. Shells*, p. 10.

*DeKay, Zool. New York*, pt. 5. p. 225.

*Hab.* America septentrionalis.

#### 20. PISUM DUBIUM.

*P.* testa rotundato-elliptica, subinæquilaterali, convexa, eleganter striata, natibus subdecorticatis.

*Cyclas striatina*, *Lamk. An. s. Vert.* v. 560. no. 10.

*Deless. Rec. de Coq.* pl. 7. f. 4.

*Cyclas dubia*, *Say, Nichol. Ency.* ed. 4. pl. 1. f. 10.

*Gould, Rep. Invert. Mass.* p. 75. f. 56.

*DeKay, Nat. Hist. of New York, Moll.* p. 223. pl. 15. f. 261.

*Cyclas dubiosa*, *Catlow, Conch. Nom.* p. 29. no. 7.

*Hab.* Republicæ Unitæ Americæ septentrionalis.

#### 21. PISUM ABDITUM.

*P.* testa minuta, ovata, ventricosa, pallide ochracea; umbonibus obtusis, approximatis.

*Cyclas abdita*, *Haldeman, Proc. Acad. Sc.* 1841.

*DeKay, Zool. New York*, pt. 5. p. 226.

*Hab.* In aquis dulcibus Pennsylvaniæ.

#### 22. PISUM COMPRESSUM.

*P.* testa minuta, compressa, perobliqua, triangulari, posticè abrupta, alba, nitida, tenuiter striata; natibus parvis, apiculatis.

*Cyclas compressa*, *Prime, Ann. of the Lyc. of New York*, 1852, p. 219. pl. 6.

*Hab.* In fluviis Massachusettsensibus.

## 23. PISUM ALTILE.

B.M.

P. testa trigona, valde inæquilaterali, tumida, cordiformi, solidula, transversim eleganter tenuissimè striata, epidermide viridifuscescente vestita, intus albò-cærulescente; latere postico brevissimo, obtuso, antico duplo longiore, paululum attenuato, obtuso; dentibus cardinalibus minimis, lateralibus in utraque valva validis; umbonibus altis, prominentibus, subobliquis.

*Cyclas altilis*, Prime, *Proc. Bost. Soc. Nat. Hist.* 1852.

*Hab.* Ohio, Americæ septentrionalis.

4. *Americæ meridionalis.*

## 24. PISUM VEATLEYI.

P. testa ovata, convexiuscula, valde inæquilaterali, nitida, tenuissimè striata, cornea, fusco tincta; margine antico brevi, obtuso, rotundato, postico longiore, subtruncato; umbonibus obtusis, minimis, vix prominentibus.

*Cyclas Veatleyi*, Adams, *Contr. to Conch.* p. 44. no. 3, & no. 9. p. 187. no. 389.

*Hab.* Jamaica.

## 25. PISUM PULCHELLUM.

P. testa ovata, inflata, tenui, sublævigata, epidermide viridescente, inæquilaterali; latere antico elongato, rotundato; latere postico brevi, obtuso; intus albicante.

*Cyclas pulchella*, D'Orb. (non Jenyns) *Mag. de Zool.* p. 44. no. 4; *Voy. en Amér. Moll.* p. 568. pl. 83. f. 8-10.

*Hab.* In lacu prope Maldonado reipublicæ orientalis Uruguayensis.

## 26. PISUM MODIOLIFORME.

P. testa oblonga, diaphana, nitida, lævi, ventricosa, rostrata; rostro curvato; natibus minimis, vix conspicuis.

*Cyclas modioliformis*, Anton, *Wieg. Arch.* 1837, p. 284. no. 9; *Verz. der Conch.* p. 14. p. 516.

*Hab.* America meridionalis.

## 27. PISUM MACULATUM.

P. testa cordato-obliqua, inæquilaterali, fragili, transversè striata; natibus prominulis; epidermide olivacea nigro maculata.

*Cyclas maculata*, *Anton* (non *Morelet*), *Wieg. Arch.* 1837, p. 284. no. 8; *Verz. der Conch.* p. 14. no. 514.

*Hab.* America meridionalis.

## 28. PISUM CHILENSE.

P. testa ovata, compressa, concentricè striata, epidermide viridescente, inæquilaterali; latere antico elongato; latere postico brevi, rotundato.

*Cyclas chilensis*, *D'Orb. Voy. en Amér. Moll.* p. 568. pl. 83. f. 11-13.

*Hab.* In rivulis prope Concepcion urbem Chiliensem.

## 29. PISUM BAHIENSE.

B.M.

P. testa ovata, tumidula, inæquilaterali, transversim tenuissime striata; sulcis duobus transversis prominentibus; umbonibus obtusis, tuberculo plano terminatis, latere antico brevior, semicirculari, postico latiore obtuso; valvis crassiusculis fulvis nigro irregulariter maculatis.

*Cyclas Bahiensis*, *Spix, Moll. du Brésil*, p. 32. pl. 25. f. 5, 6.

*Moric. Mém. de la Soc. d'Hist. nat. de Genève*, vii. 445. no. 54.

*Hanley, Descr. Cat.* p. 91.

*Hab.* Bahia.

## 30. PISUM ADAMSI.

P. testa ovata, inæquilaterali, turgida, tenuissime striata; latere antico vix truncato, postico longiore, rotundato; umbonibus obtusis, non prominentibus; dente cardinali minimo, lamelloso; dentibus lateralibus cardine approximatis.

*Cyclas pygmæa*, *Adams, Contr. to Conch.* no. 3. p. 44, & no. 9. p. 187. no. 388.

*Hab.* Jamaica.

## 5. Australienses.

## 31. PISUM SEMEN.

P. testa obliquè ovata, ventricosa, umbonibus turgidis, epidermide flavo-cornea, in margine pallidior induta, subtilissimè transversim striata, decorticata alba vel lilacina.

*Cyclas semen*, *Menke, Moll. Nov. Holl.* p. 40. no. 232.

*Hab.* In ripa sabulosa Fluvii Cygnorum.

## 32. PISUM AUSTRALE.

*P. testa subcordata, tumida, inæquilaterali, transversim striato-suleata; umbone prominente; natibus obliquè versis.*

*Cyclas australis, Lamk. An. s. Vert. v. 560. no. 8.*

*Hab. Nova Hollandia et insula Timor dicta.*

6. *Species dubiæ.*

1. *Pisidium Dhingolii, Bivona in A. & J. B. Villa, Disp. Syst. Conch. p. 44.*

*Hab. Sicilia.*

2. *Pisidium depressum, Pfeiffer in Shuttleworth, Diag. neuer Moll. no. 1. 1852, p. 12.*

*Hab. Sicilia.*

3. *Pisidium, Mallet, Mortillet Cat.*

*Hab. In rivulis Guayam affluentibus.*

4. *Pisidium perpusillum, Gärtner, Ann. der Wetterauischen, iii. 316. no. 3.*

*Hab. In aquis dulcibus Honoviæ.*



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